

70 104 – AN – 07.2001

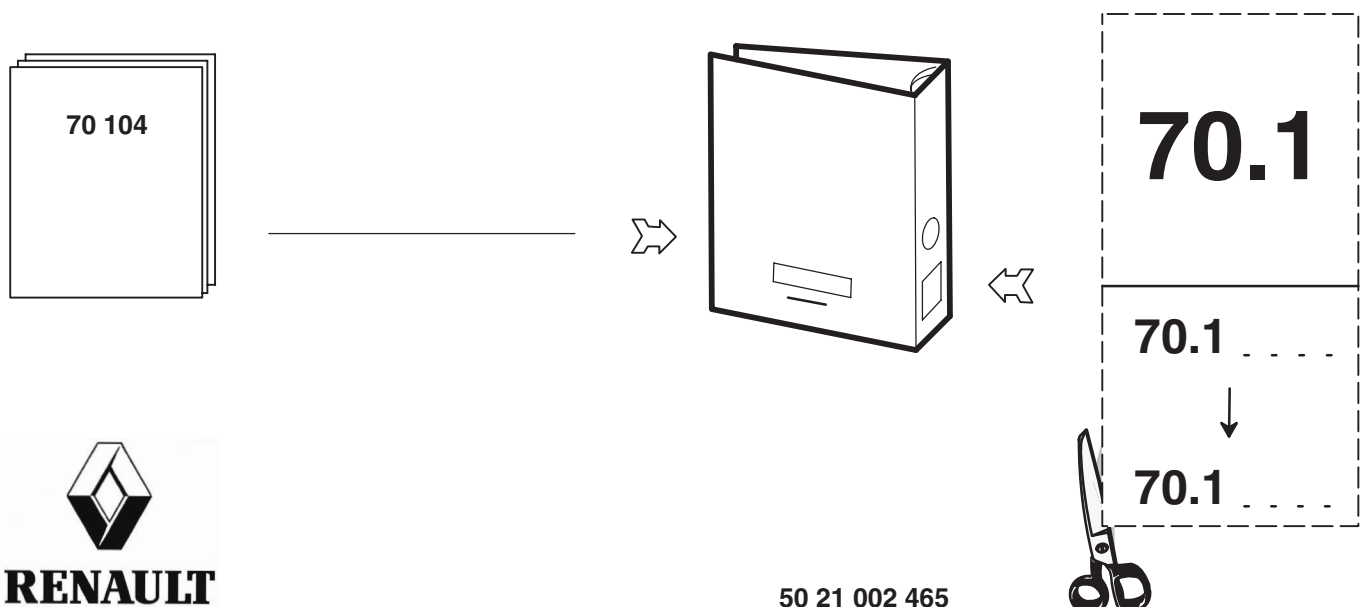
ELECTRICS

ELECTRICS	VEHICLES
ELECTRICAL EQUIPMENT	MAGNUM E. TECH

NOTE

The above information may change in the course of time.

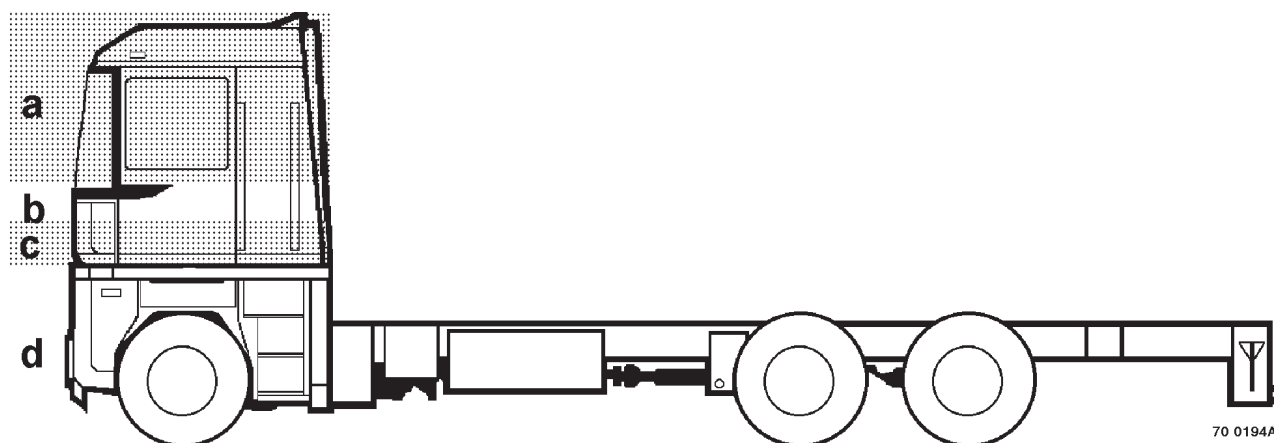
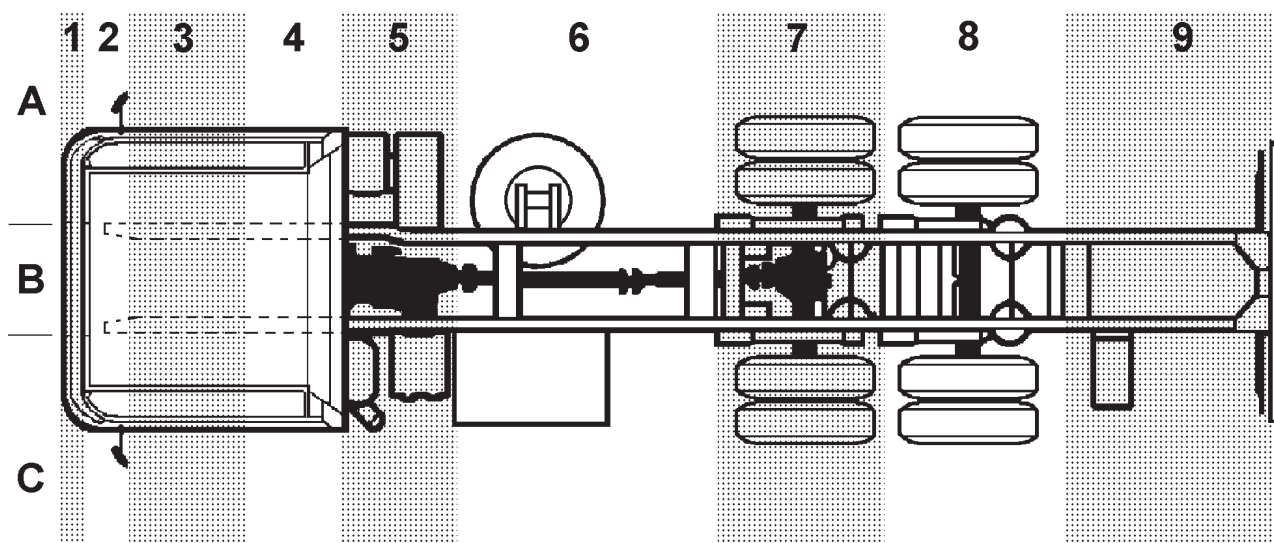
Only the “Consult” section of the workshop manuals repertory in standard N° 10320 serves as reference.



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GENERALITIES



70 0194A

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 "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:

2101 – Battery N°1 (01A) A5d

2101: Appliance reference

Battery N° 1: key to appliance

A5d: Pinpointing of appliance after voluminal breakdown (see page A2).

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

In the "Electrical diagram" booklet:

9201 – Vehicle master ECU 27B/C

9201: Appliance reference

Vehicle master ECU: key to appliance

27B/C: Pinpointing of appliance in electrical diagram (plate 27B and plate 27C).

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).

CONNECTION UNIT

The connection unit enables electrical links between relays/fuses/diodes.
Each face of the unit is detailed in the "Connection unit" booklet.

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 **48** = section **2**, connector **980**: terminal **B5**.

BULKHEAD GROMMET:

Bulkhead grommets enable electrical links between chassis and cab.
Each wall of the bulkhead is detailed in the "Connection unit" booklet.

Interface connector

This type of connector has a direct link between two bulkhead grommet walls.

Links between wiring harnesses

Certain wiring harnesses are interconnected by hook-up connectors.

Example:

C153 (dashboard harness) → C154 (engine harness).....Vi.....8

The dashboard wiring harness 8-way purple connector C153 is connected to the engine wiring harness 8-way purple connector C154.

Wires – connectors links

A table shows the link of each wire to its connectors. Its section and the terminal number of each connector are stated. The wire numbers are classified numerically.

Example:

Wire **51** = section **0.6**, connector **914**: terminal **B3**

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	(06M)	A5d
0117 – Protection diodes	(04T//10N//17T)	B2c
1100 – Fuse	–	–
1133 – Resistor	(20M)	A5d
1200 – Fuses and relays connection unit “BFR”	(002//30N)	B2c
1220 – Cab top ledge	(30N)	A1a
1230 – Bulkhead grommet	(003//004)	B2c
1361 – Connecting strip	(003//004//01S)	B2c
2100 – Trailer socket, 15–pin	(15N)	B5d/B9d
2101 – Battery N° 1	(01M)	A5d
2102 – Battery N° 2	(01M)	A5d
2103 – Available relay N° 1	(30N)	B2c
2104 – Available relay N° 2	(30N)	B2c
2105 – Available relay N° 3	(30N)	B2c
2113 – Trailer socket, 7–pin type 24 N	(15M)	B5d/B9d
2115 – Trailer socket, 7–pin type 24 S	(08R//15M)	B5d/B9d
2116 – Trailer socket, 7–pin type “EBS”	(15M/N)	B5d/B9d
2133 – 12 volt socket	(14M)	B3c
2141 – Available power supply (lighting)	(30N/P)	A2a/B9d/B2c
2142 – Available power supply (after ignition)	(30N/P)	B2c
2147 – Available power supply (after master switch)	(30N/P)	B2c
2157 – Available power supply (video)	(30N)	C3a
2165 – Master switch	(01M)	A5d
2168 – Available power supply (roof light bank)	(04P)	A5d
2171 – ADR master switch	(01T)	A5d
2196 – After ignition power supply relay N° 1	(01P)	B2c
2197 – After ignition power supply relay N° 2	(01R)	B2c
2200 – Anti-theft electronic box	(002//01N//08R)	C2b
2210 – Starter with integrated relay	(02N)	B4d
2219 – Transponder antenna	(01N)	C2b
2220 – Transponder ignition key	(01N)	C2b
2221 – Electronic anti-theft “Information” warning lamp	(19N)	B2b
2224 – Shunt (engine starting, cab tilted)	(02N)	C4d
2261 – Steering lock and starting control	(01M/N//08R)	C2b
2266 – Engine stop control (cab tilted)	(27R)	B3d
2311 – Alternator	(01M)	B3d
2314 – Battery charge warning lamp	(19N)	C2b
2400 – Fuel filter clogging pressure switch	(19M)	C5d
2414 – Preheating relay	(02M)	B3d
2418 – Preheating warning lamp	(19M)	B2b
2452 – Preheating resistor N° 1	(02M)	B3d
2453 – Preheating resistor N° 2	(02M)	B3d
2461 – Engine preheating control	(02M)	C2c
3101 – Flasher unit	(05M//08R)	B2c
3117 – Rigid or tractor flasher repeater lamp	(19N)	C2b
3118 – Trailer flasher repeater lamp	(19N)	C2b
3161 – Hazard lights control	(05M//08R)	C2c
3211 – RH front flashing lamp	(04R)	A1d
3212 – LH front flashing lamp	(04R)	C1d
3213 – RH side flashing lamp	(05M)	A2d
3214 – LH side flashing lamp	(05M)	C2d
3410 – Roof trumpet horn solenoid valve	(05M)	B3c
3411 – Horn	(05M)	C2d
3512 – Stop lights relay	(05N)	B2c
3513 – Fog light(s) relay	(04S)	B2c
3517 – Fog light(s) warning lamp	(19M)	C2b
3613 – RH front side/parking lamp	(04M)	A1d
3614 – LH front side/parking lamp	(04N)	C1d
3618 – Side/parking lights relay	(04M)	B2c
3631 – RH side marker light	(04M)	A2a
3632 – LH side marker light	(04N)	C2a
3635 – RH marker lights (bodybuilder equipment)	(04M)	B2c
3636 – LH marker lights (bodybuilder equipment)	(04N)	B2c
3662 – Lighting relay	(04P)	B2c
3716 – LH central marker lamp	(04N)	C5d
3717 – RH central marker lamp	(04M)	A5d

KEY TO THE APPLIANCES

3721 – RH rear lights		
– flashing	(05M)	A9d
– stop	(05N)	A9d
– fog	(04S)	A9d
– reverse	(05P)	A9d
– side/parking	(04M)	A9d
3722 – LH rear lights		
– flashing	(05M)	C9d
– stop	(05N)	C9d
– fog	(04S)	C9d
– reverse	(05P)	C9d
– side/parking	(04N)	C9d
4001 – Doors central locking box	(08M)	C2a
4047 – Passenger's side electric door striker	(08M)	A3c
4048 – Driver's side electric door striker	(08M)	C3c
4078 – LH door switch	(10N)	C3c
4079 – RH door switch	(10N)	A3c
4111 – Cigar lighter	(14M)	B3c
4122 – LH swivelling defrosting rearview mirror	(09M)	C2a
4123 – RH swivelling defrosting rearview mirror	(09M)	A2a
4126 – Defrosting rearview mirrors relay	(09M)	B2c
4131 – Passenger's sun visor motor	(14R)	A3a
4132 – Driver's sun visor motor	(14R)	A3a
4133 – Frontal sun visor motor	(14R)	C2a
4135 – Electric roof ventilator motor	(08N)	B3a
4136 – Comfort accessories relay	(14R)	B2c
4160 – Electric roof ventilator control	(08N)	C2a
4161 – External rearview mirrors swivelling control	(09M)	C3b
4163 – Defrosting rearview mirror control	(09M)	C3b
4175 – Front sun blind control	(14R)	B2b
4177 – Passenger's sun visor control (passenger's side)	(14R)	A3b
4178 – Driver's sun visor control (driver's side)	(14R)	C3b
4179 – Driver's sun visor control	(14R)	C3b
4183 – Driver and passenger cab rear overhead lights control	(08N)	B4a
4200 – Voltage dropper (12 Volt socket)	(14M)	A4c
4202 – Radio	(002//14N)	C2a
4209 – Voltage dropper (telecommunications)	(14P)	C2a
4210 – Antenna	(14N/P)	C3a
4214 – Driver's loudspeaker	(14N)	C3a
4220 – Radio remote control	(19M)	C2b
4221 – Passenger's loudspeaker	(14N)	A3a
4222 – Driver's heated seat	(14M)	C3c
4223 – Passenger's heated seat	(14M)	A3c
4228 – C.B. radio	(14P)	C2a
4229 – Telephone	(14P)	A2a
4241 – Cab rear radio power supply control	(14N)	B4a
4242 – Radio power supply control	(14N)	C2a
4311 – Driver's window winder motor	(08N)	C3c
4312 – Passenger's window winder motor	(08N)	A3c
4361 – Driver's window winder control	(08N)	C3b
4362 – Passenger's window winder control	(08N)	A3b
4365 – Passenger's window winder control (driver's side)	(08N)	C3b
4403 – Ventilation control box	(17N)	A4c
4422 – Independent heater "Thermo 90S"	(17N)	A4c
4423 – Independent heater "D1LCC/D3LCC"	(17P/R)	C4d
4426 – Main coolant circuit solenoid valve	(17N)	C4d
4459 – Electrical feeder plate to fan	(17S)	B2b
4469 – Independent heater timer control	(17N/R)	B2b
4470 – Interior temperature sensor	(17N)	B2b
4487 – Temperature variator	(17N/P/R)	B4a
4511 – Air conditioning	(17S)	A4d/A3d
4512 – Air conditioning compressor	(17T)	B3d
4545 – Conditioned air relay	(17T)	B2c
4566 – External temperature sensor	(27N)	C1d
4583 – Air conditioning compressor relay	(17T)	B2c
4584 – Centralized lubrication pressure sensor	(18M)	B9d
4617 – Top bunk overhead lamp	(10N)	C4a
4618 – Driver's overhead lamp	(10N)	C3a
4625 – Passenger's overhead lamp	(10N)	A3a

KEY TO THE APPLIANCES

4650 – Driver's step lighting	(10N)	C3c
4651 – Passenger's step lighting	(10N)	A3c
4653 – Driver's map reader	(10N)	C3a
4654 – Passenger's map reader	(10N)	A3a
4655 – RH lower bunk overhead lamp	(10N)	A4a
4656 – LH lower bunk overhead lamp	(10N)	C4a
4673 – Driver and passenger overhead lights control	(10N)	C2a
4689 – Driver and passenger cab rear overhead lights control	(10N)	B4a
4826 – Refrigerator	(14S)	B4c
4908 – Independent heater start-up control	(17P)	B2b
4919 – Fuel feed pump	(17P/R)	C4d
4938 – Cooling circuit main solenoid valve control	(17N)	B3c
5266 – Accelerator pedal position sensor	(27M)	C2c
5270 – Limited speed shunt for export	(27N)	B2b
5300 – Windscreen wiper relay	(11M)	B2c
5310 – Headlamps wash time-delay relay	(11M)	B2c
5311 – Windscreen wiper motor	(11M)	B1b
5314 – Windscreen wash pump	(11M)	A5d
5319 – Headlamps wash pump	(11M)	A5d
6111 – RH dipped beam headlamp	(04R)	A1d
6112 – LH dipped beam headlamp	(04R)	C1d
6113 – RH main beam headlamp	(04R)	A1d
6114 – LH main beam headlamp	(04R)	C1d
6119 – Dipped beam headlights relay	(04R)	B2c
6121 – Main beam headlights relay	(04R)	B2c
6123 – Main beam headlights warning lamp	(19N)	C2b
6124 – Headlight, dipped headlight and left side lamp	(04R)	C1d
6125 – Headlight, dipped headlight and right side lamp	(04R)	A1d
6132 – Dipped beam headlights warning lamp	(19N)	C2b
6138 – LH headlamp adjustment motor	(04T)	C1d
6139 – RH headlamp adjustment motor	(04T)	A1d
6145 – Daytime lights shunt	(04T)	C2b
6166 – Headlights adjustment control	(04T)	B3c
6167 – Steering column fingertip controls		
– anti-theft	(01N)	C2b
– side/parking lights	(04M)	C2b
– main/dipped beam headlights	(04R)	C2b
– fog driving lamps / fog lamps	(04S)	C2b
– horn / direction indicator	(05M)	C2b
– windscreen wiper / screen wash / headlamp wash	(11M)	C2b
– cruise control	(27M)	C2b
6211 – LH fog driving lamp	(04S)	C1d
6212 – RH fog driving lamp	(04S)	A1d
6214 – Fog driving lights relay	(04S)	B2c
6218 – Fog driving lights warning lamp	(19N)	B2b
6223 – Shunt (without long range driving lights)	(04T)	B2c
6314 – Working spotlight (tractor)	(10M)	A5d
6315 – Working floodlight warning lamp	(19N)	B2b
6316 – Reversing lights relay	(05P)	B2c
6325 – Reverse gear buzzer	(05P)	A9d
7100 – Current limiter	(01T)	A5d
7114 – Electronic tachograph	(003//004//06M)	B2b
7362 – Coolant temperature sensor	(27P)	B3d
7368 – Oil pressure sensor	(27P)	B3d
7411 – Fuel level gauge	(19M)	C2b
7415 – Fuel temperature sensor	(27P)	B3d
7462 – Fuel level transmitter	(19M)	C6d
7519 – Diagnostics socket	(07M)	C3c
7524 – "SAE" socket	(002//07M)	A4c
7614 – Principal display	(002//003//004//08R//19M/N)	C2b
7940 – Jake brake solenoid valve N° 1	(27P)	B3d
7941 – Jake brake solenoid valve N° 2	(27P)	B3d
7960 – Self-tracking axle pressure switch	(19N)	C2c
8003 – Hydraulic retarder ECU	(003//004//16N)	A5d
8004 – Electric retarder ECU	(003//004//16P)	A5d
8013 – Trailer ABS safety warning lamp	(19N)	B2b
8032 – Electric retarder relay box	(16P)	B6d
8034 – Electric retarder	(16P)	B5d/B6d
8056 – Brake pedal retarder coupling control	(27N)	B2b

KEY TO THE APPLIANCES

8059 – Electric or hydraulic retardation control	(16M/N/P)	C2d
8060 – “ASR” control	(20M)	B2b
8100 – LH front brake pads wear switch sensor	(19P/R/20N)	C3d
8104 – Front air pressure transmitter	(19R)	C2c
8105 – Rear air pressure transmitter	(19M)	C2c
8108 – RH front brake pads wear switch sensor	(19P/R/20N)	A3d
8109 – LH rear brake pads wear switch sensor	(19R/20N)	C7d
8117 – Brake lining wear warning lamp	(19M)	B2b
8123 – Air pressure alert warning lamp	(19M)	C2b
8137 – Air dryer heater	(02M)	C2d
8138 – Brakes air pressure gauge	(19M)	C2b
8141 – Front air pressure gauge	(19R)	C2a
8150 – Exhaust brake electrovalve	(27R)	C2d
8159 – RH rear brake pads wear switch sensor	(19R/20N)	A3d
8165 – Rear brakes air pressure switch	(19M)	C2d
8166 – Front brakes air pressure switch	(19M)	C2d
8174 – Trailer and parking brakes air pressure switch	(19M)	C2d
8178 – Parking brake indicator air pressure switch	(27M)	C2d
8201 – Centralized lubrication timer	(18M)	C2c
8212 – Centralized lubrication electrovalve	(18M)	B3c
8218 – Air filter clogging warning light	(19M)	B2b
8221 – Centralized lubrication warning lamp	(19M)	B2b
8228 – Declutching fan	(27R)	B1d
8262 – Air filter clogging	(19M)	A4d
8272 – Water level sensor	(27R)	C1d
8275 – Engine oil level sensor	(27P)	B3d
8284 – Servo-steering oil pressure switch	(27N)	C2d
8285 – Turbo charge air pressure sensor	(27P)	B3d
8286 – Turbo charge air temperature sensor	(27P)	B3d
8317 – Inter-axle differential lock warning lamp	(19M)	B2b
8318 – Inter-wheel differential lock warning lamp	(19M)	B2b
8363 – Rear drive axle inter-wheel differential lock switch	(19M)	B8d
8365 – Inter-axle differential lock switch	(19M)	B7d/B8d
8366 – Power take-off switch	(27N)	B5d
8373 – Middle axle inter-wheel differential lock switch	(19M)	B7d
8461 – Vehicle speed sensor	(06M)	B5d
8466 – Neutral switch	(02N)	B5d
8472 – Reverse gear switch	(05P)	B5d
8480 – Hydraulic retarder cooling system temperature sensor	(16N)	B6d
8481 – Air tank electrovalve	(16N)	B6d
8491 – Hydraulic retarder proportional opening solenoid valve	(16N)	B6d
8502 – Suspension ECU	(28M/N/P/R)	A5d
8522 – Suspension information warning lamp	(19M)	B2b
8523 – Suspension alert warning lamp	(19M)	B2b
8524 – Rear suspension electrovalve block	(28M/N/P/R)	B7d/B8d
8525 – Front suspension electrovalve block	(28N/R)	C4d
8526 – Cab tilting motor	(29M)	A5d
8527 – Cab tilting relay	(29M)	A5d
8544 – Self-tracking axle electrovalve	(28S)	C2d
8546 – Self-tracking axle safety relay	(28S)	A2c
8560 – Remote control box	(28M/N/P/R)	C3c
8569 – Lift-up axle load shedding control	(28P/R)	B2b
8571 – Front suspension level sensor	(28N/R)	A3d
8572 – Suspension level RH rear sensor	(28M/N/P/R)	A7d
8573 – Suspension level LH rear sensor	(28M/N/P/R)	C7d
8575 – Cab tilting control	(29M)	A5d
8582 – Rear axle air springs pressure sensor	(28P/R)	B8d
8604 – “ASTRONIC” ECU	(003//23M)	B5d
8644 – Clutch switch	(27M)	C2c
8663 – Gearbox control lever	(003//23M)	B3b
9201 – Vehicle master ECU (VECU)	(002//003//004//27M/N)	B2b
9202 – Engine master ECU (EECU)	(003//004//27P/R)	C3d
9210 – “VECU / EECU” ECU power supply relay	(27N)	B2c
9220 – Unit pump N° 1 incorporating solenoid valve	(27P)	B3d
9221 – Unit pump N° 2 incorporating solenoid valve	(27P)	B3d
9222 – Unit pump N° 3 incorporating solenoid valve	(27P)	B3d
9223 – Unit pump N° 4 incorporating solenoid valve	(27P)	B3d
9224 – Unit pump N° 5 incorporating solenoid valve	(27P)	B4d

KEY TO THE APPLIANCES

9225 – Unit pump N° 6 incorporating solenoid valve	(27P)	B4d
9226 – Engine oil temperature sensor	(27P)	B3d
9228 – Flywheel speed sensor	(27P)	B4d
9230 – Camshaft speed sensor	(27P)	B3d
9400 – Airbag ECU	(24M)	C3c
9401 – Driver's seat belt pretensioner	(24M)	C3c
9403 – Airbag rotary switch	(24M)	C2a
9404 – Airbag test and defect "Information" tell-tale lamp	(19M)	B2b
9420 – Anti-theft alarm ECU	(08P/R)	C2a
9421 – Road train perimetric protection pre-arrangement	(08P/R)	–
9422 – Trailer perimetric protection module	(08R)	–
9423 – Anti-theft alarm siren	(08P/R)	A3d
9424 – Ultrasound transmitter	(08P)	A3a
9425 – Ultrasound receiver	(08P)	C3a
9426 – Road train monitoring module	(08P/R)	–
9427 – Anti-aggression control	(08P)	C2a
9500 – "EBS" trailer module	(20N)	C2d
9501 – "EBS" ECU	(003//004//20M)	A5d
9510 – Road train braking "Alert" warning lamp	(19M)	C2b
9512 – Rear module (front axle)	(20M)	B8d
9513 – "EBS" rear module (drive axle)	(20N)	B7b
9520 – Brake valve	(20M)	C1c
9530 – "EBS" Front module	(20N)	B2d
9560 – "EBS" rear axle air springs pressure sensor	(20N)	B7d
9570 – LH front roadwheel speed sensor	(20N)	C3d
9571 – RH front roadwheel speed sensor	(20N)	A3d
9572 – LH rear roadwheel speed sensor (rear axle)	(20N)	C7d
9573 – RH rear roadwheel speed sensor (rear axle)	(20N)	A7d
9574 – LH rear roadwheel speed sensor (front axle)	(20M)	C8d
9575 – RH rear roadwheel speed sensor (front axle)	(20M)	A8d
9576 – Parking pressure switch (air supply trip-off)	(20M)	C2d
21119 – Available power supply (chassis)	(30P)	B9d
45142 – 3-level air conditioning pressure controller	(17T)	C1d

WIRE NUMBER / PLATE EQUIVALENCE TABLE

007	27M	064	20N	0012	16N	0048	20M	1	06M	1	28R	3	05N
014	27P	066	20M	0012	16P	0049	20M	1	07M	1	28S	3	15M
017	27M	066	20N	0012	19N	0050	20M	1	08M	1	29M	3	15N
022	27M	067	20M	0012	20M	0051	24M	1	08N	1	30N	4	09M
028	27M	067	20N	0012	23M	0052	24M	1	09M	2	01M	5	16N
031	27P	068	20M	0012	27N	0053	24M	1	10M	2	01N	5	16P
032	27P	068	20N	0012	27R	0054	24M	1	10N	2	01P	6	04P
033	27P	069	20M	0013	01S	0056	06M	1	11M	2	01R	6	15M
034	27P	069	20N	0013	06M	0057	11M	1	14M	2	01T	6	15N
037	20M	070	20M	0013	16N	0057	19N	1	14N	2	02M	12	02N
037	20N	070	20N	0013	16P	0077	20N	1	14P	2	02N	12	27M
038	20M	071	20N	0013	19N	0078	20N	1	14R	2	04M	22	01M
038	20N	072	20M	0013	20M	0081	20M	1	14S	2	04P	22	01P
039	20M	073	20N	0013	23M	0081	20N	1	15M	2	04R	22	01R
040	20M	077	27M	0013	27N	0082	20M	1	15N	2	04S	22	27M
041	07M	078	27P	0013	27R	0082	20N	1	16N	2	04T	23	01P
041	17S	079	27P	0015	19M	0083	20M	1	16P	2	05M	23	30N
043	28M	080	27P	0016	19M	0083	20N	1	17N	2	05N	24	01N
043	28N	081	27P	0017	19M	0084	20M	1	17P	2	07M	24	01P
043	28P	085	28S	0018	19M	0084	20N	1	17R	2	08N	24	05P
043	28R	092	27P	0019	19M	1	01M	1	17S	2	09M	24	09M
044	28M	097	27P	0020	19M	1	01N	1	17T	2	10M	24	19R
044	28N	0010	01N	0023	27N	1	01P	1	18M	2	10N	24	24M
044	28P	0010	07M	0024	27P	1	01R	1	19M	2	11M	25	01M
044	28R	0010	14N	0025	27P	1	01T	1	19N	2	14M	25	01T
045	27M	0010	19N	0027	16N	1	02M	1	19P	2	14R	25	04T
045	30N	0010	27M	0029	16N	1	02N	1	19R	2	15M	25	17N
047	27M	0010	27N	0031	16N	1	04M	1	20M	2	15N	25	17P
047	30N	0011	01N	0032	16N	1	04N	1	23M	2	16N	25	19N
052	27P	0011	07M	0045	15M	1	04P	1	24M	2	16P	30	05M
055	27P	0011	14N	0045	15N	1	04R	1	27M	2	19N	30	15M
056	20M	0011	19N	0045	20M	1	04S	1	27N	2	20M	30	15N
057	20N	0011	27M	0046	15M	1	04T	1	27R	2	23M	31	05M
058	16N	0011	27N	0046	15N	1	05M	1	28M	2	27M	31	08M
058	16P	0012	01S	0046	20M	1	05N	1	28N	2	29M	32	05M
064	20M	0012	06M	0047	20M	1	05P	1	28P	2	30N	33	05M

WIRE NUMBER / PLATE EQUIVALENCE TABLE

34	05M	59	28R	84	19M	202	17R	243	30N	298	27P	414	17R
34	19N	60	04S	84	20M	203	06M	244	16N	299	27R	428	09M
35	05M	60	19N	86	19M	204	01R	244	16P	301	05M	429	09M
35	19N	62	04R	87	19M	204	17N	247	29M	302	04R	430	09M
36	05M	63	04R	88	27N	204	17P	248	05N	302	05M	431	09M
37	04R	63	04T	108	01T	204	17R	260	07M	303	04M	432	09M
37	05M	64	02M	108	06M	204	17T	260	28M	303	04N	433	14R
38	05M	64	04P	119	10N	205	01M	260	28N	304	04M	434	14R
39	05M	64	05M	119	19N	205	02N	260	28P	304	04R	435	14R
39	15M	64	08N	123	27M	208	30N	260	28R	305	04N	436	08M
39	15N	64	09M	124	14M	208	30P	263	01M	305	04R	437	04T
43	17N	64	10N	130	10N	211	01P	263	01T	306	04S	443	14R
45	10N	64	11M	141	06M	211	02M	263	08M	307	04S	444	14N
45	14P	64	14M	142	06M	211	15M	270	23M	307	15M	447	14N
46	14P	64	14N	144	14P	211	15N	273	01P	307	15N	448	14N
46	30N	64	14R	144	30N	211	16M	273	02M	307	19M	451	14N
47	04T	64	17S	155	14P	211	19N	273	18M	310	05M	452	07M
47	14M	64	19N	155	30N	212	27N	273	28S	311	05M	452	14M
47	14N	64	19R	169	01M	212	27R	274	01P	313	04M	454	14R
48	08N	64	20M	169	08M	214	01M	274	17N	313	04P	455	14R
51	16M	64	27N	173	27P	214	14R	274	28M	313	04T	456	14R
51	16N	64	28P	174	27P	215	09M	274	28N	321	08N	462	17T
51	16P	64	28R	183	16N	216	01P	274	28P	329	18M	463	01R
51	27M	64	30N	184	16N	216	11M	274	28R	329	19M	463	17S
52	16N	65	04S	193	17S	217	14M	275	30N	346	04T	463	17T
52	16P	67	04R	200	14N	217	14R	275	30P	352	15M	468	14S
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53	16P	68	04R	201	01R	229	27N	285	01R	352	19N	470	08N
54	16P	69	04S	201	01T	231	29M	285	05P	370	04S	473	30N
55	16P	71	19M	201	06M	243	01R	287	23M	386	09M	476	17N
56	16P	72	19R	201	14S	243	08N	291	27R	400	17T	476	17P
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59	06M	81	27R	202	01T	243	16P	294	27P	403	08N	484	08M
59	28M	82	27R	202	05M	243	20M	295	27P	413	17P	485	29M
59	28N	83	27M	202	14N	243	23M	296	27P	413	17R	489	17T
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WIRE NUMBER / PLATE EQUIVALENCE TABLE

495	18M	608	05P	846	20M	867	19R	963	30N	2075	20N	4030	17N
496	08N	608	15M	851	06M	868	19P	964	30N	4000	14P	4030	17S
497	08M	608	15N	851	07M	868	19R	965	30N	4000	30N	4050	17N
498	18M	621	04R	851	16N	869	27P	966	30N	4001	17P	4050	17S
500	16P	632	04P	851	16P	870	27P	967	30N	4001	17R	4052	17T
501	11M	632	30N	851	17N	873	19M	968	30N	4002	17N	4052	27R
502	11M	632	30P	851	17P	873	28M	1018	05P	4002	17P	4440	10N
503	11M	634	15M	851	17R	873	28N	1018	27N	4002	17R	4441	10N
503	27M	634	15N	851	19N	873	28P	1021	10N	4004	17N	4442	08N
504	11M	708	19N	851	20M	873	28R	1021	19N	4004	17P	4443	08N
506	11M	709	27N	851	23M	874	19M	1025	27M	4004	17R	4444	14N
506	27M	710	27N	851	24M	874	28M	1025	28S	4005	14R	4445	14N
507	11M	711	17N	851	27M	874	28N	1025	30N	4006	14R	4446	14N
508	11M	712	17N	851	27R	874	28P	1036	27N	4010	14M	5001	20M
508	27M	802	02M	851	28M	874	28R	1037	20N	4014	08N	5002	01N
509	11M	803	02M	851	28N	879	28N	1048	27P	4015	08N	5002	19N
510	11M	803	19M	851	28P	879	28R	1072	16P	4016	17S	5024	16P
522	15M	809	19M	851	28R	880	28M	1078	20M	4016	17T	5025	16P
522	15N	813	28M	854	07M	880	28N	2001	16N	4017	17S	5028	05N
576	16N	813	28N	854	20M	880	28P	2001	16P	4017	17T	5028	27M
576	16P	813	28P	854	28M	880	28R	2014	17S	4019	17N	8020	27N
588	16P	813	28R	854	28N	881	28M	2014	17T	4019	17S	8025	27R
589	16P	814	28M	854	28P	881	28N	2016	17S	4020	17N	8035	19M
602	04R	814	28N	854	28R	881	28P	2017	17S	4020	17S	8035	24M
603	04R	814	28P	858	28P	881	28R	2018	17S	4021	17N	8040	19M
603	19N	814	28R	858	28R	899	28M	2023	16N	4021	17S	8041	19R
604	04R	815	28M	860	28P	899	28N	2025	20M	4022	17S	8043	27R
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605	19N	815	28P	861	28P	946	14N	2027	27P	4024	17S	8045	27R
606	10M	815	28R	861	28R	947	14P	2050	27N	4025	17S	8046	27R
606	15M	816	28N	864	28P	948	14P	2059	01T	4026	17S	8062	01M
606	15N	816	28R	864	28R	960	30N	2059	06M	4028	17N	8072	19M
607	10M	825	06M	867	19M	961	30N	2067	23M	4028	17S	8083	30N
607	19N	829	27N	867	19P	962	30N						

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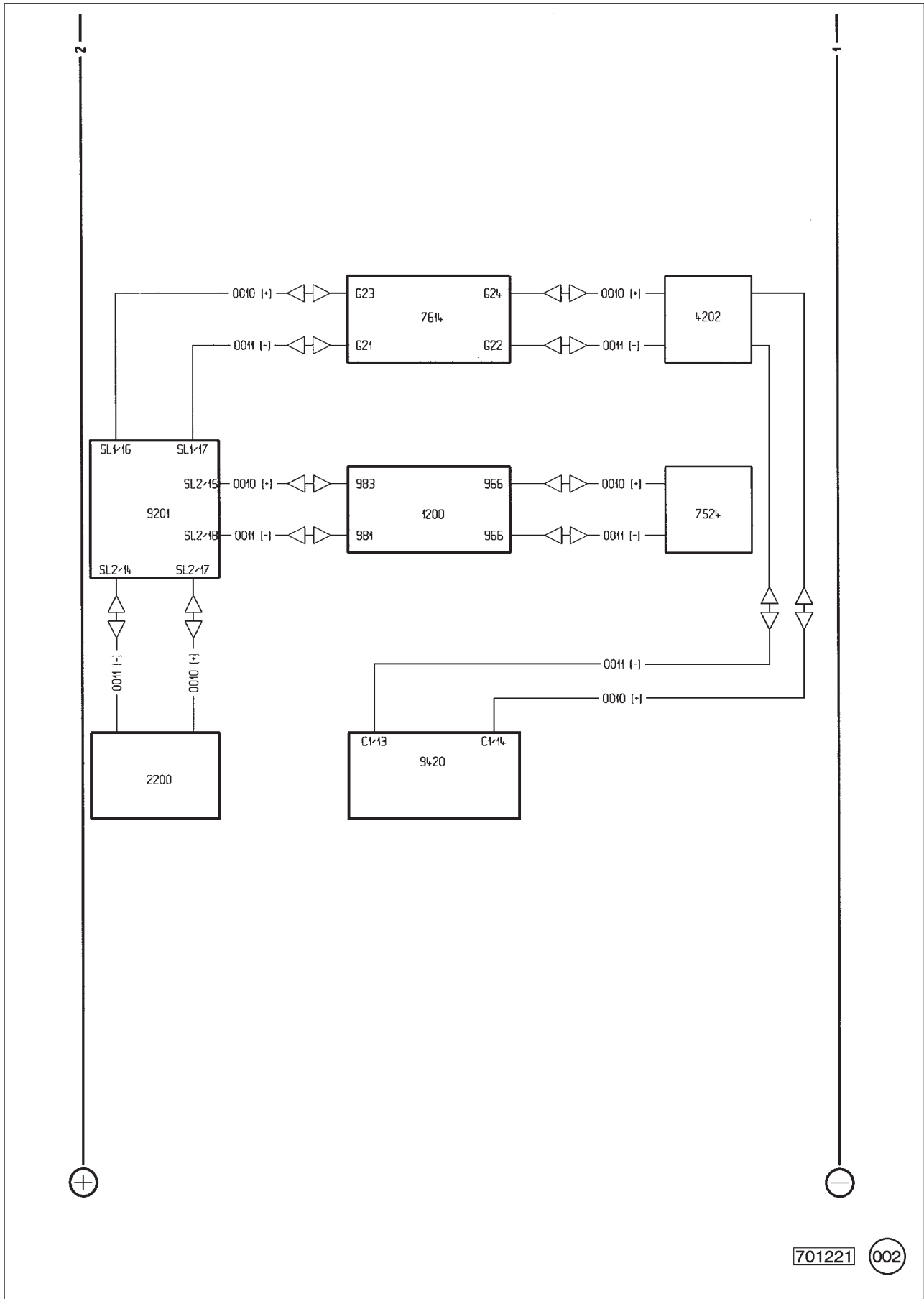
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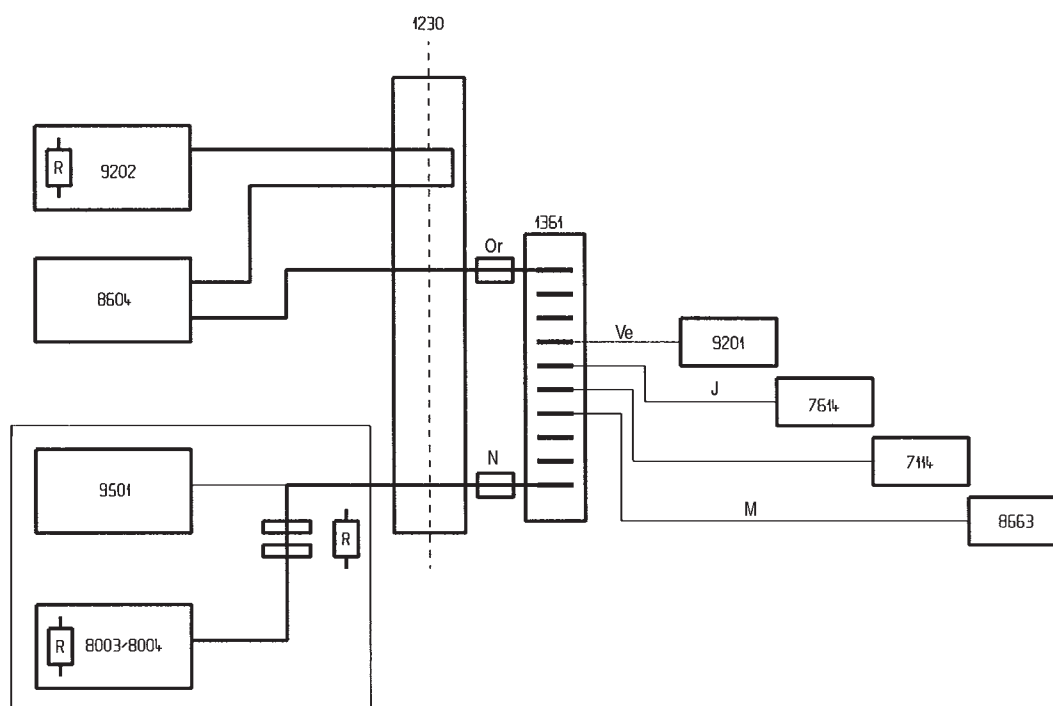
PLATE 30
AVAILABLE POWER SUPPLIES

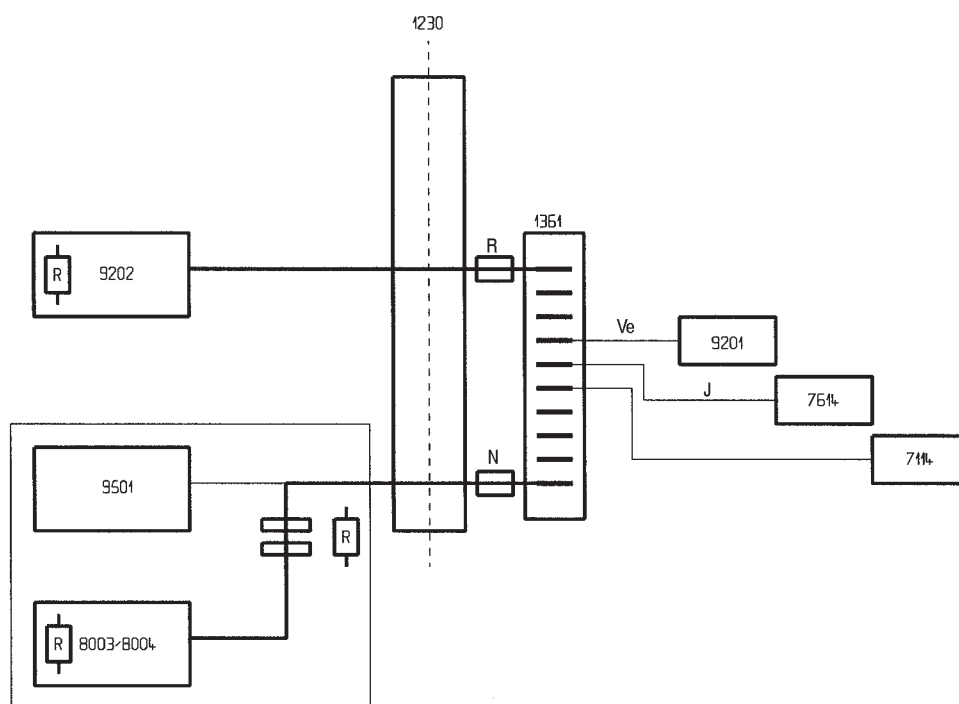


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002

"BUS J1587" COMMUNICATION NETWORK

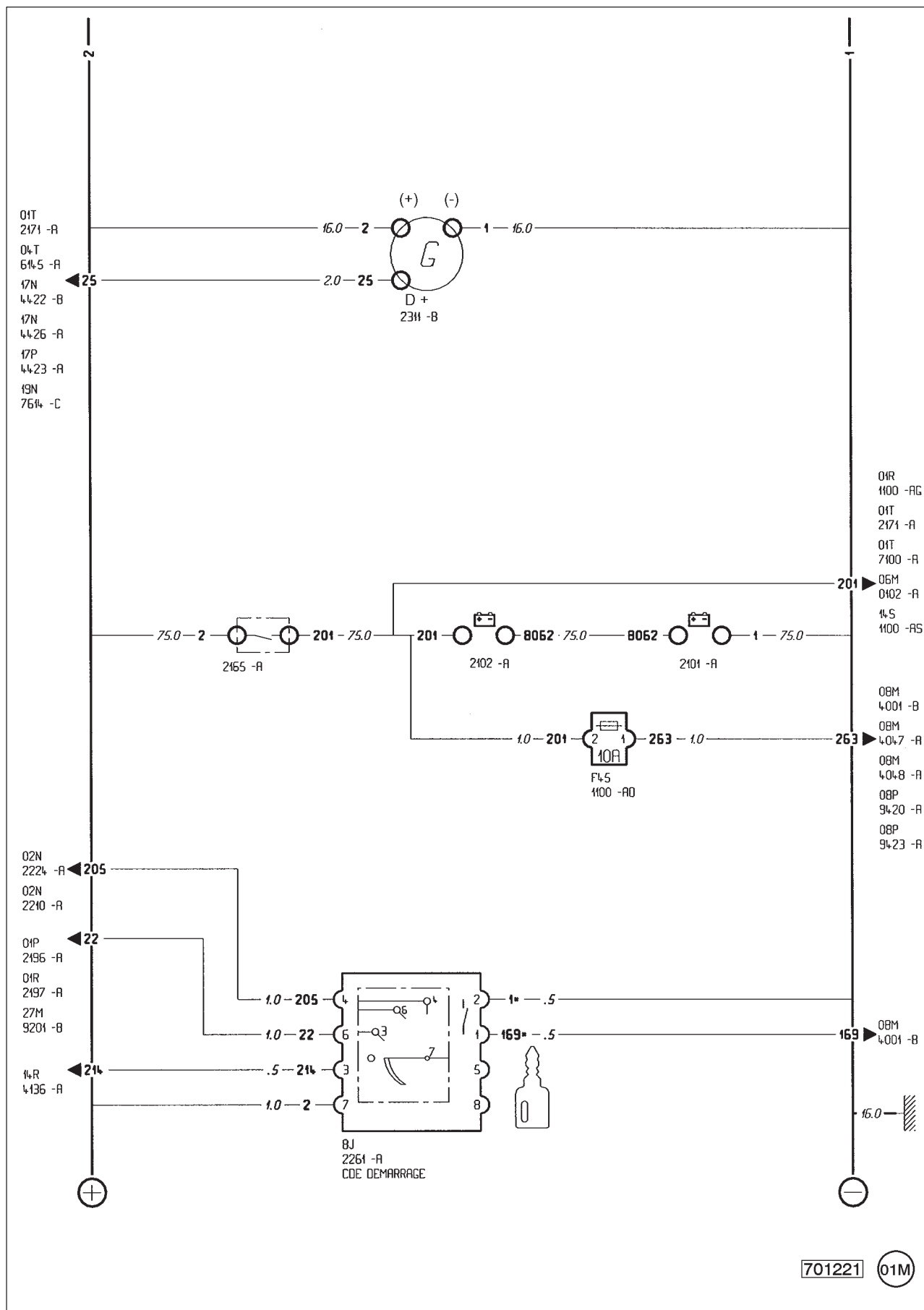




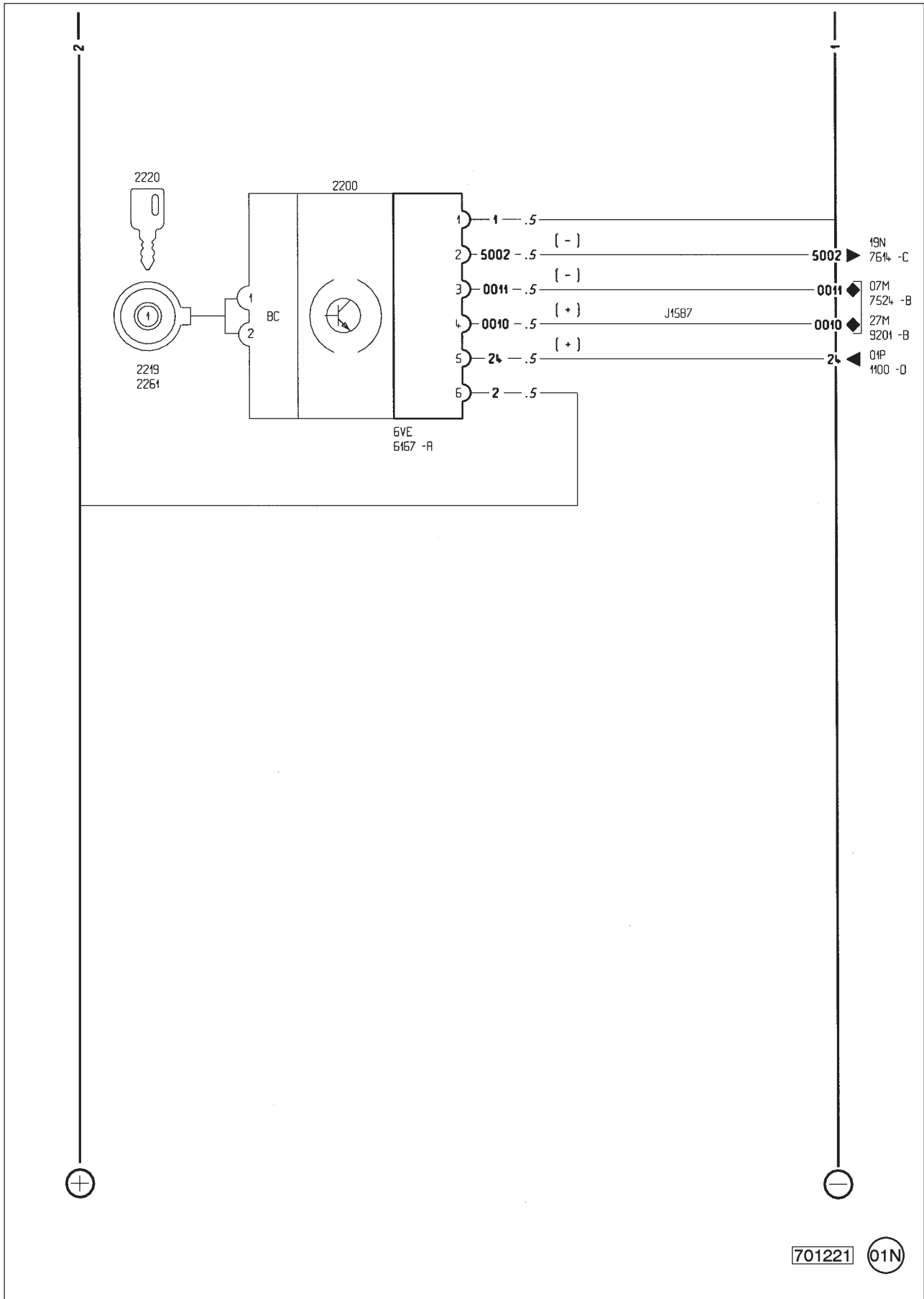
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004

“CAN J1939” COMMUNICATION NETWORK WITHOUT ASTRONIC

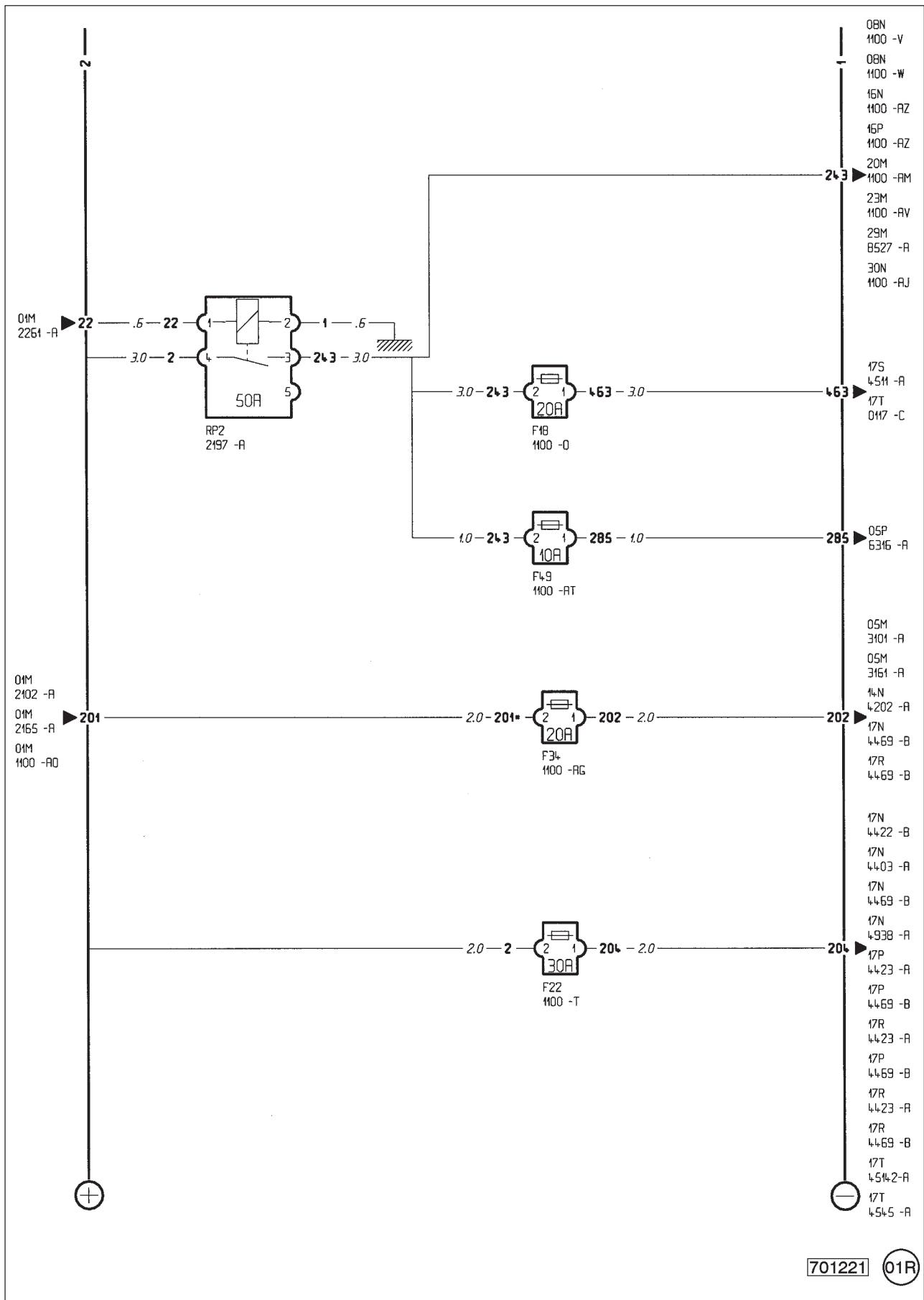


POWER SUPPLY / STARTING

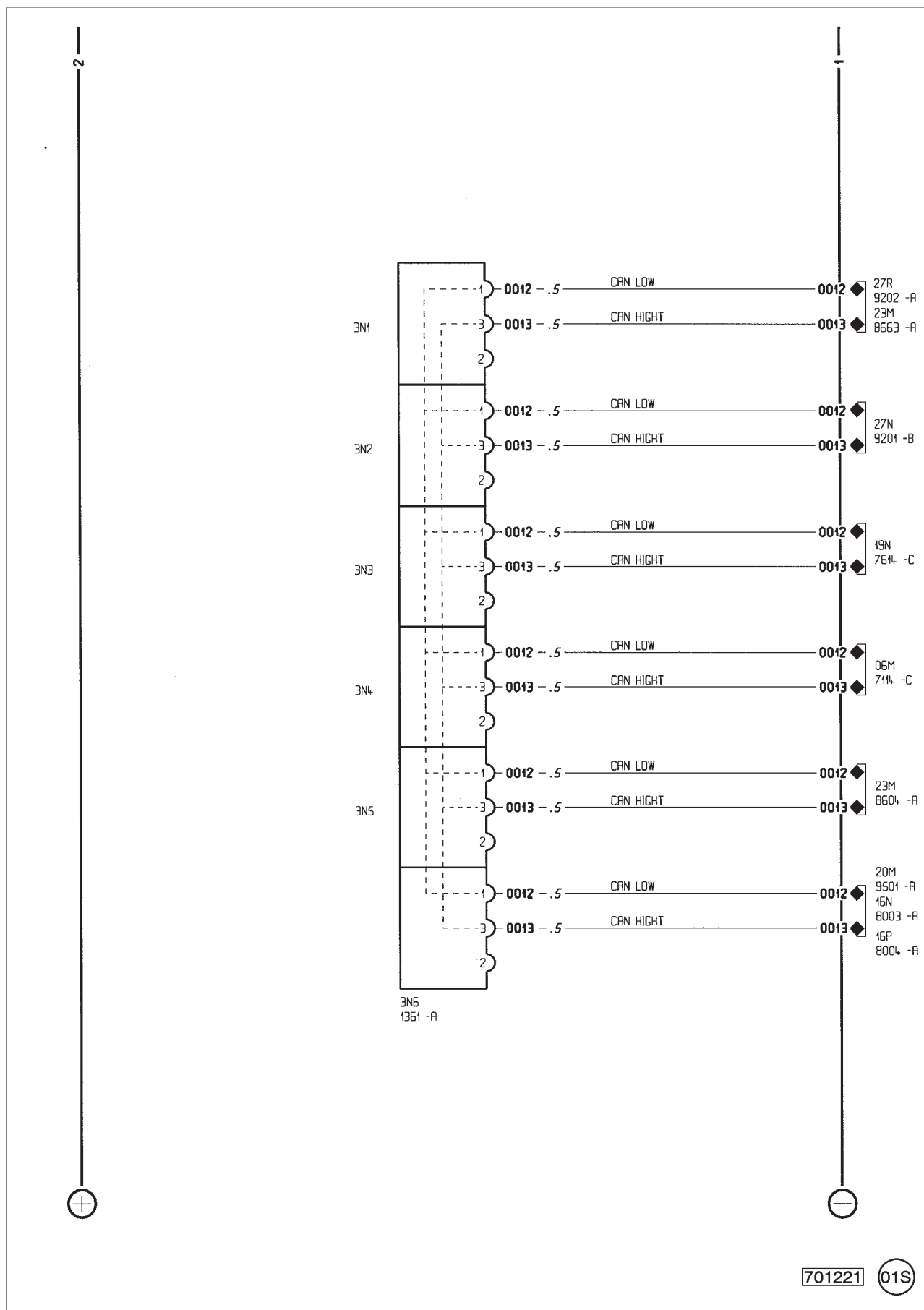


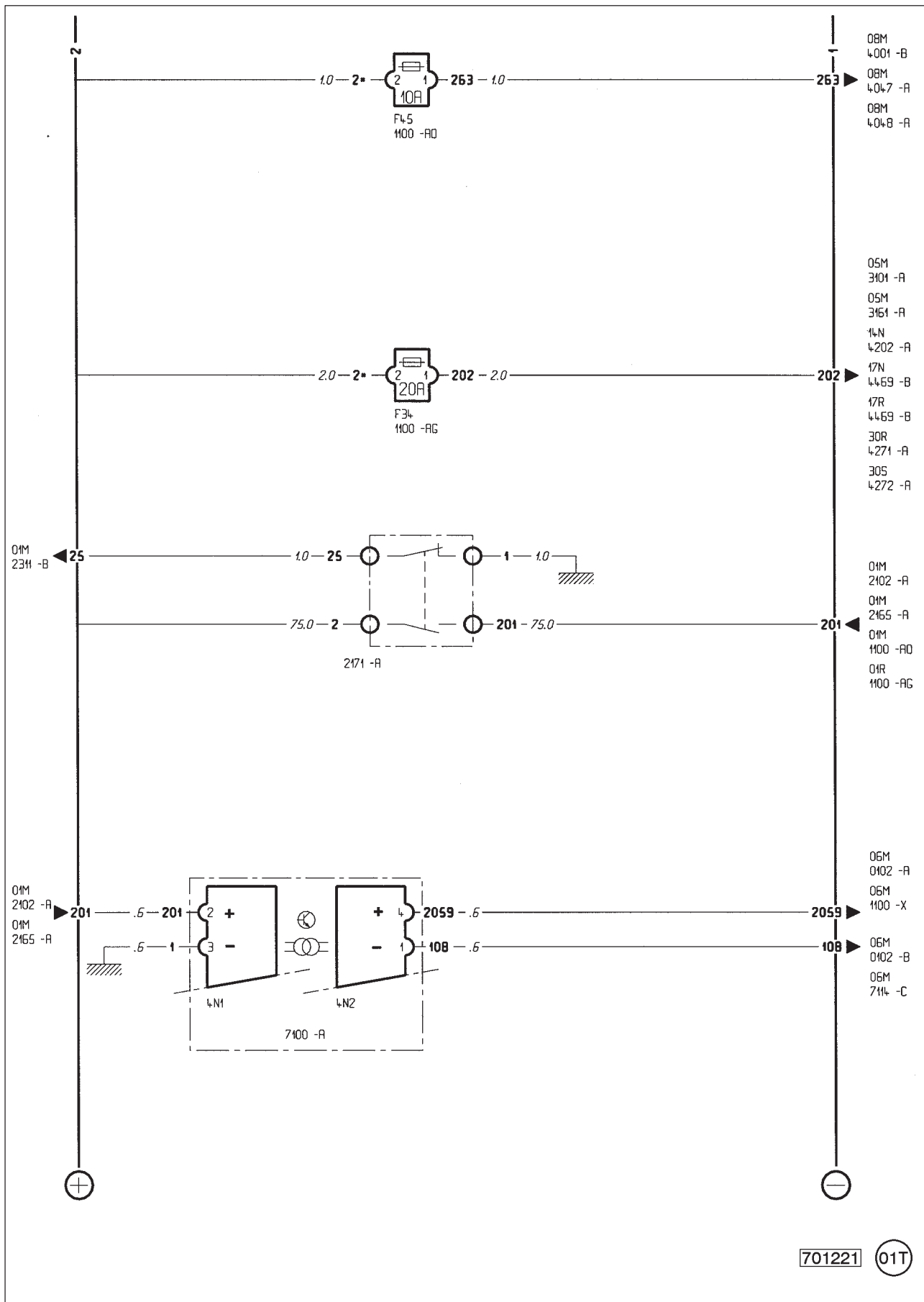
ELECTRONIC THEFT PROTECTION SYSTEM



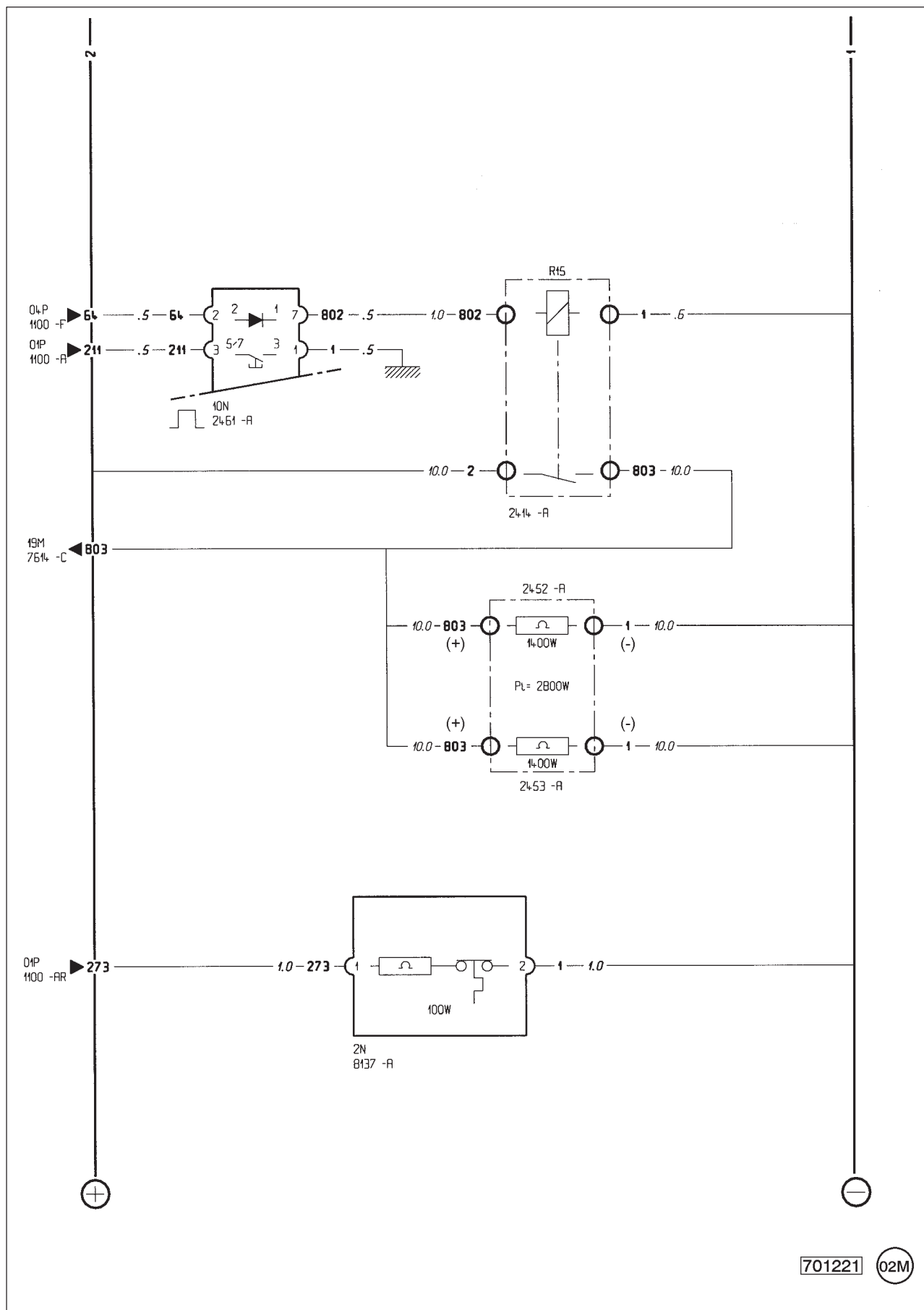


POWER SUPPLY AND CONTROLS

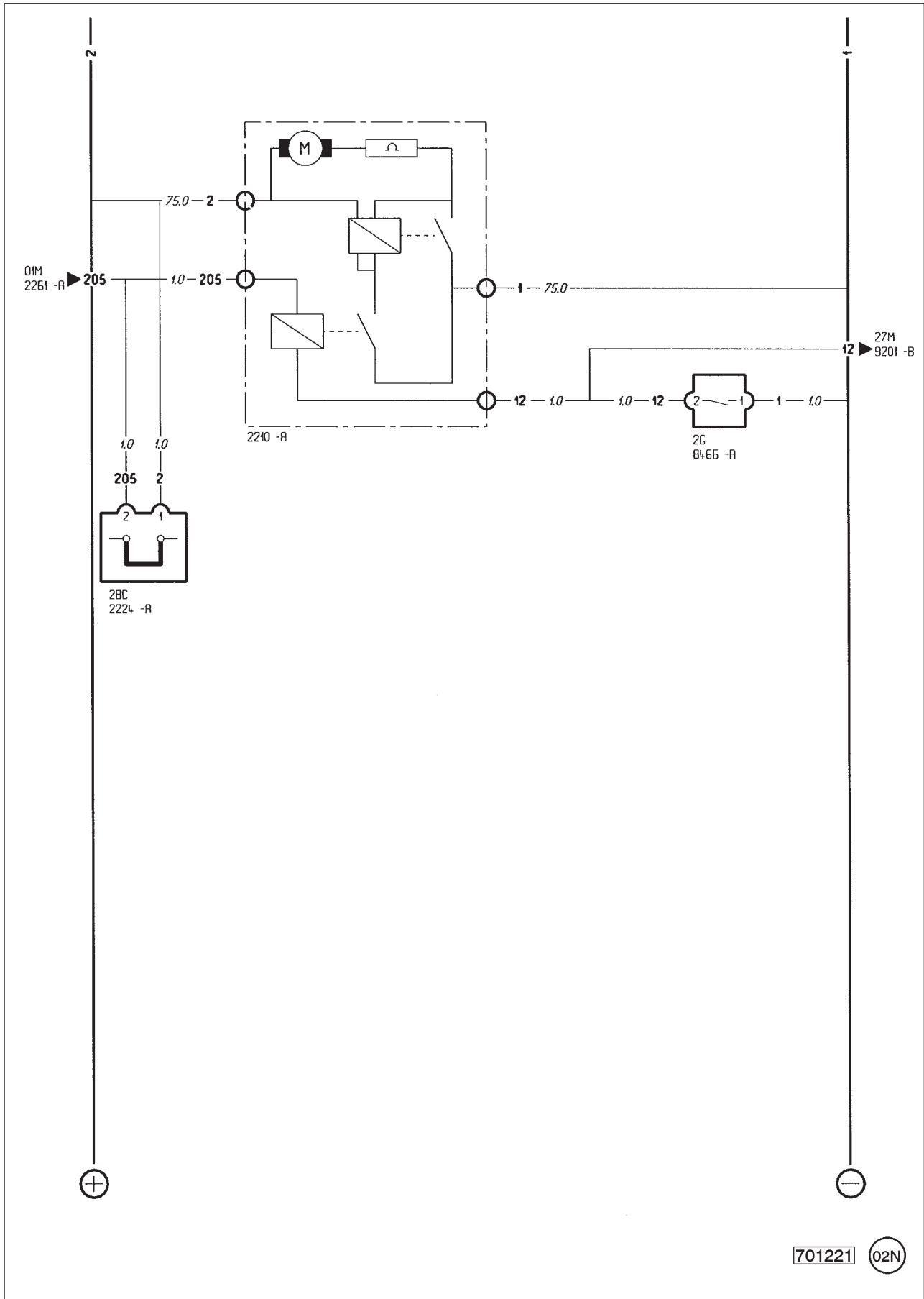




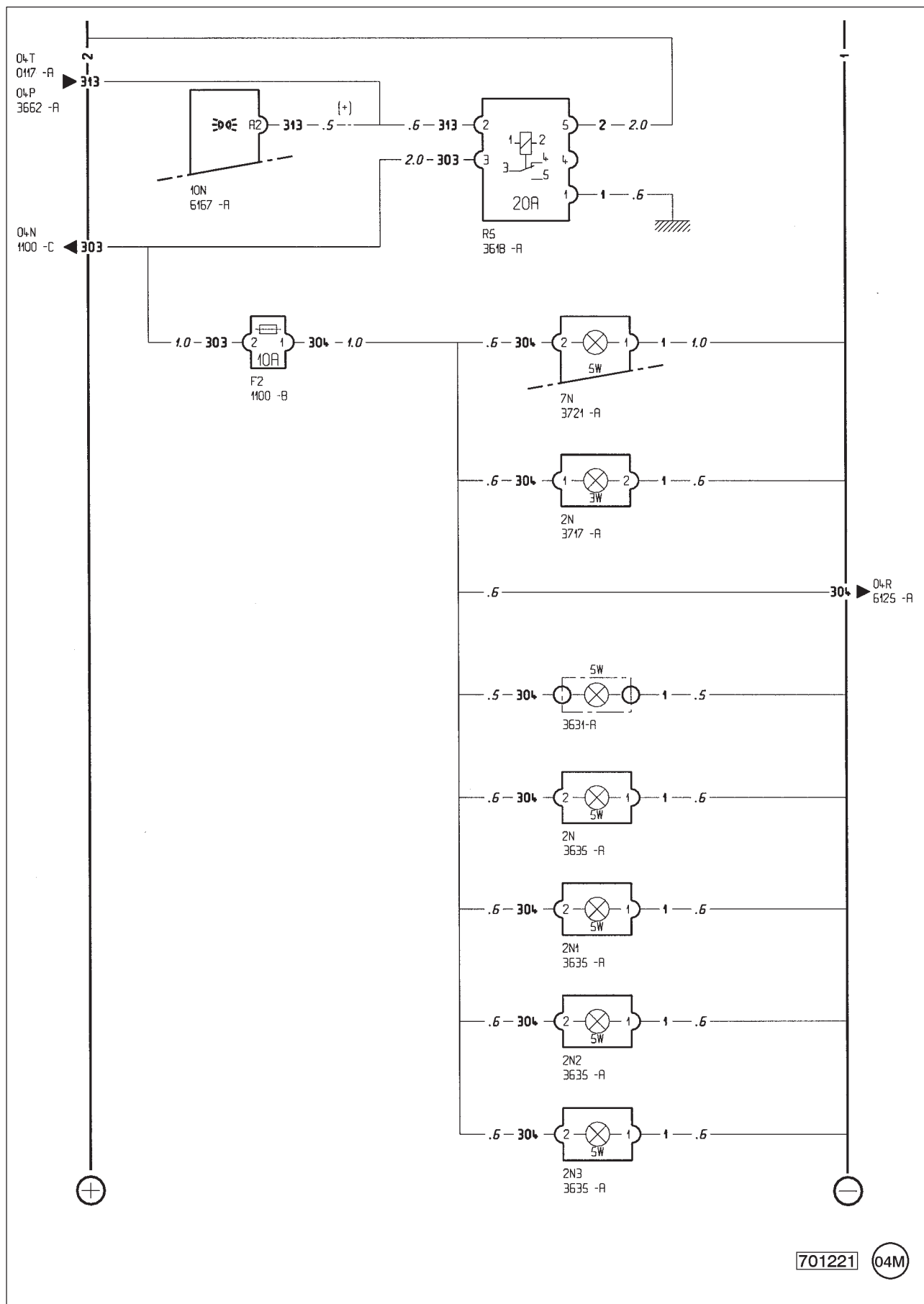
ADR (HAZARDOUS SUBSTANCES) EQUIPMENT



PREHEATING



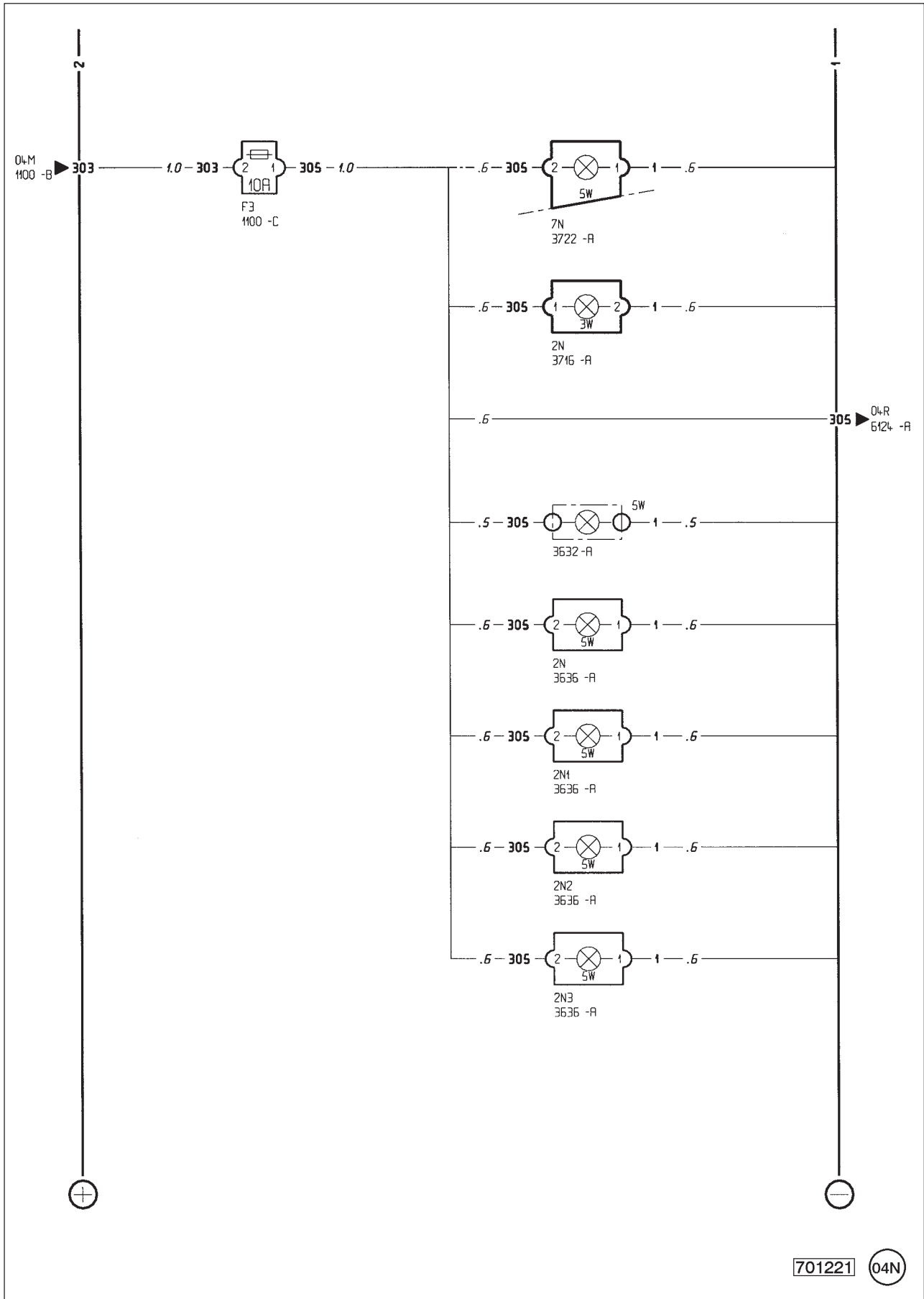
STARTING



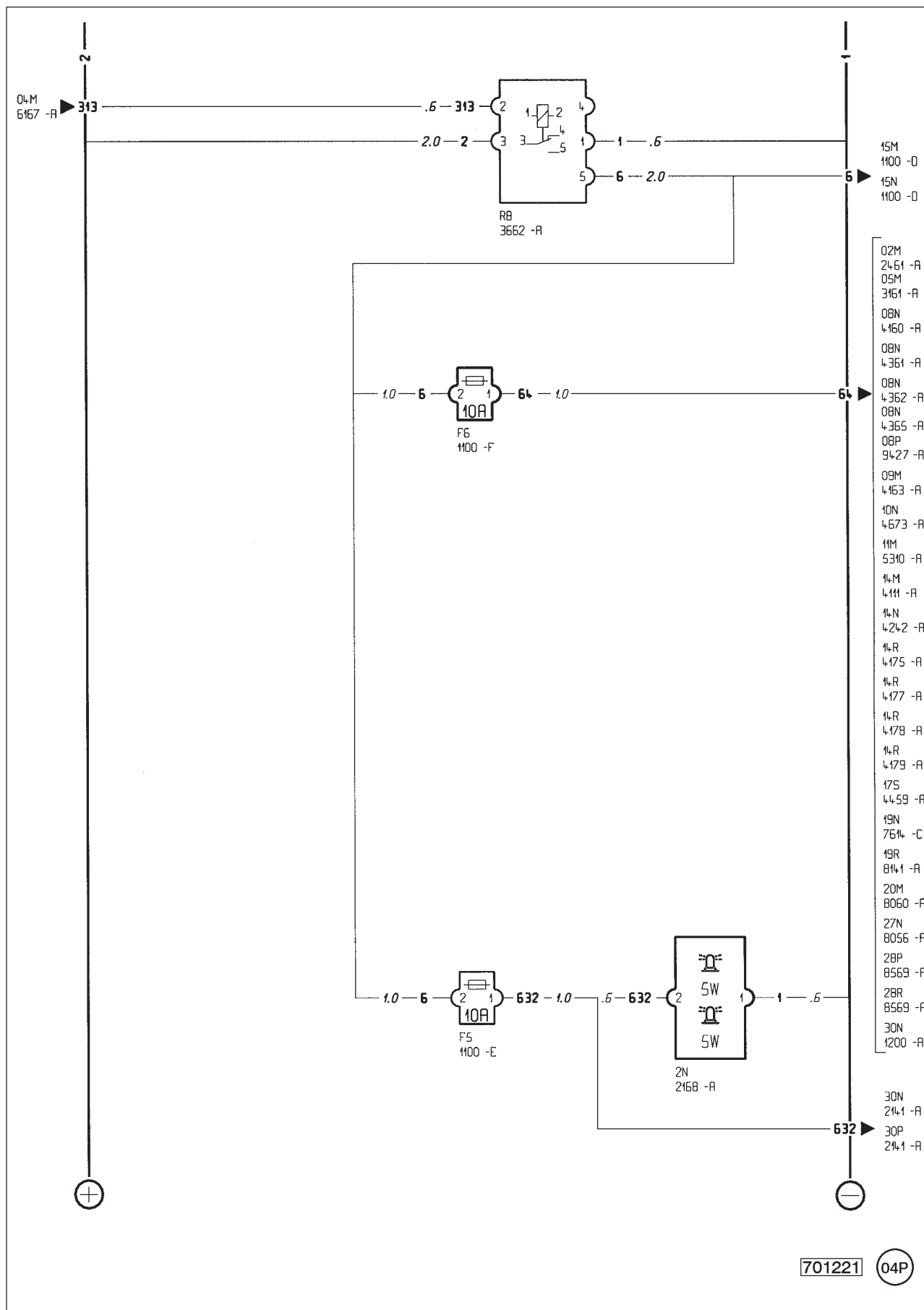
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04M

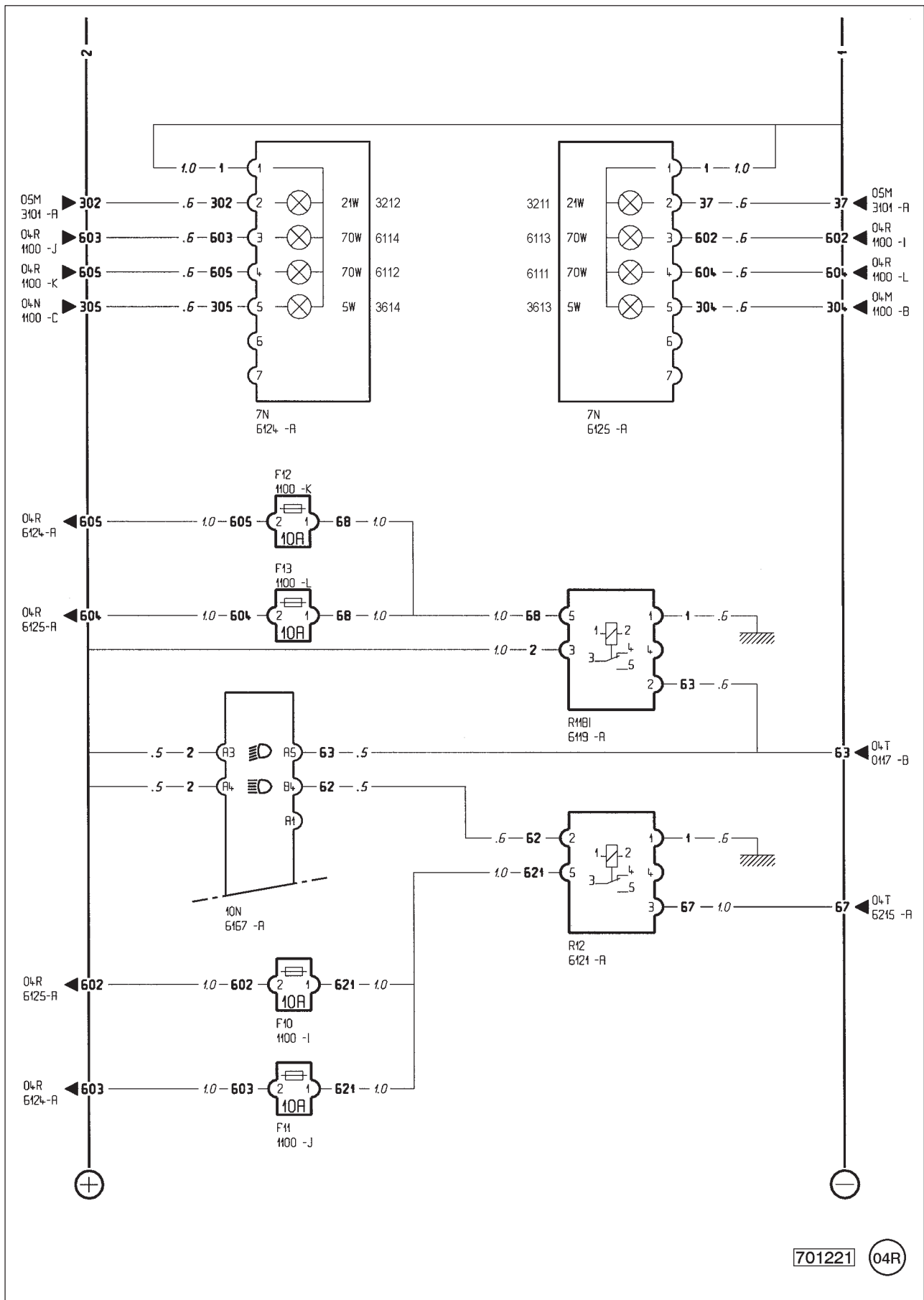
SIGNALLING



SIGNALLING



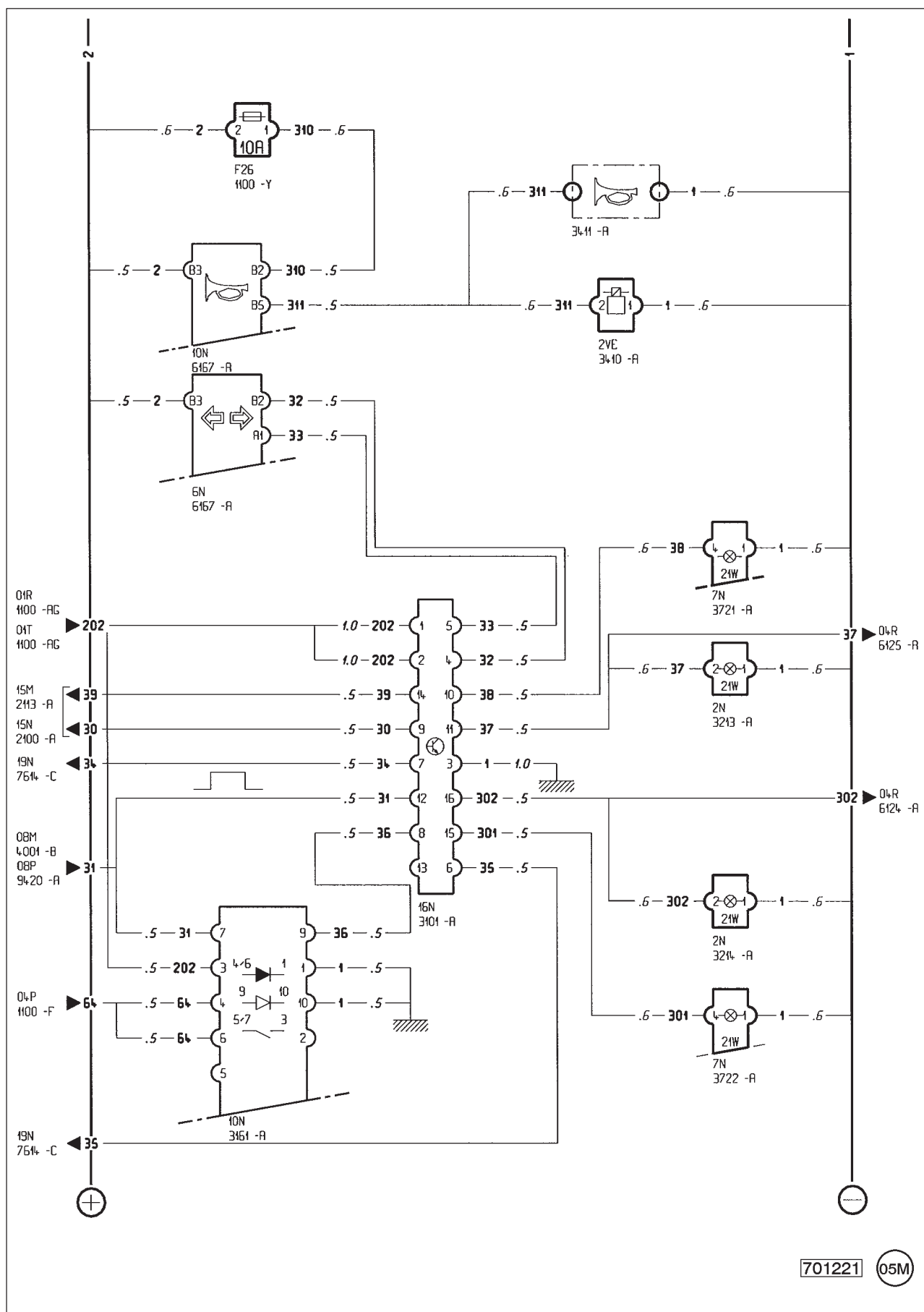
SIGNALLING



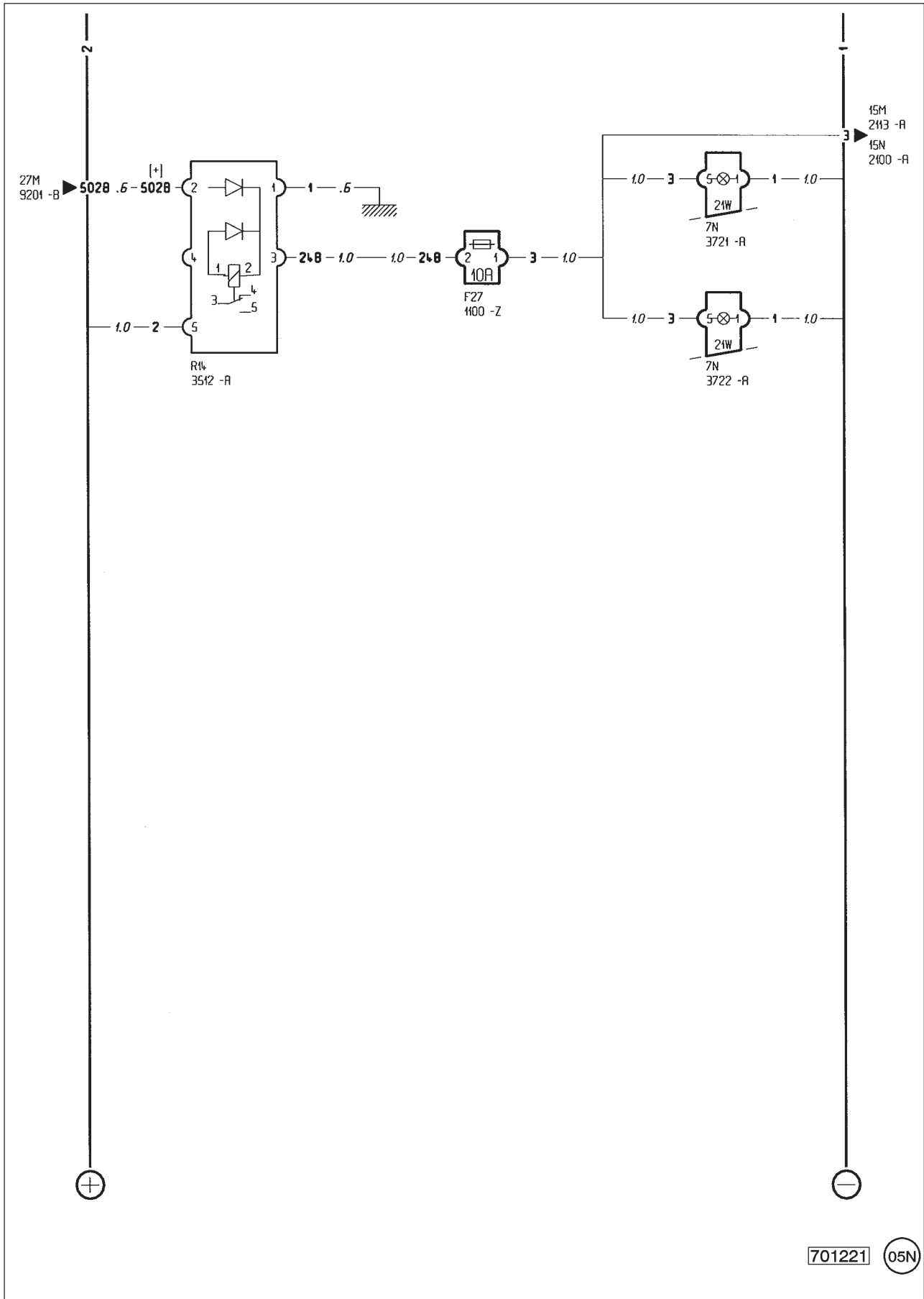
SIGNALLING



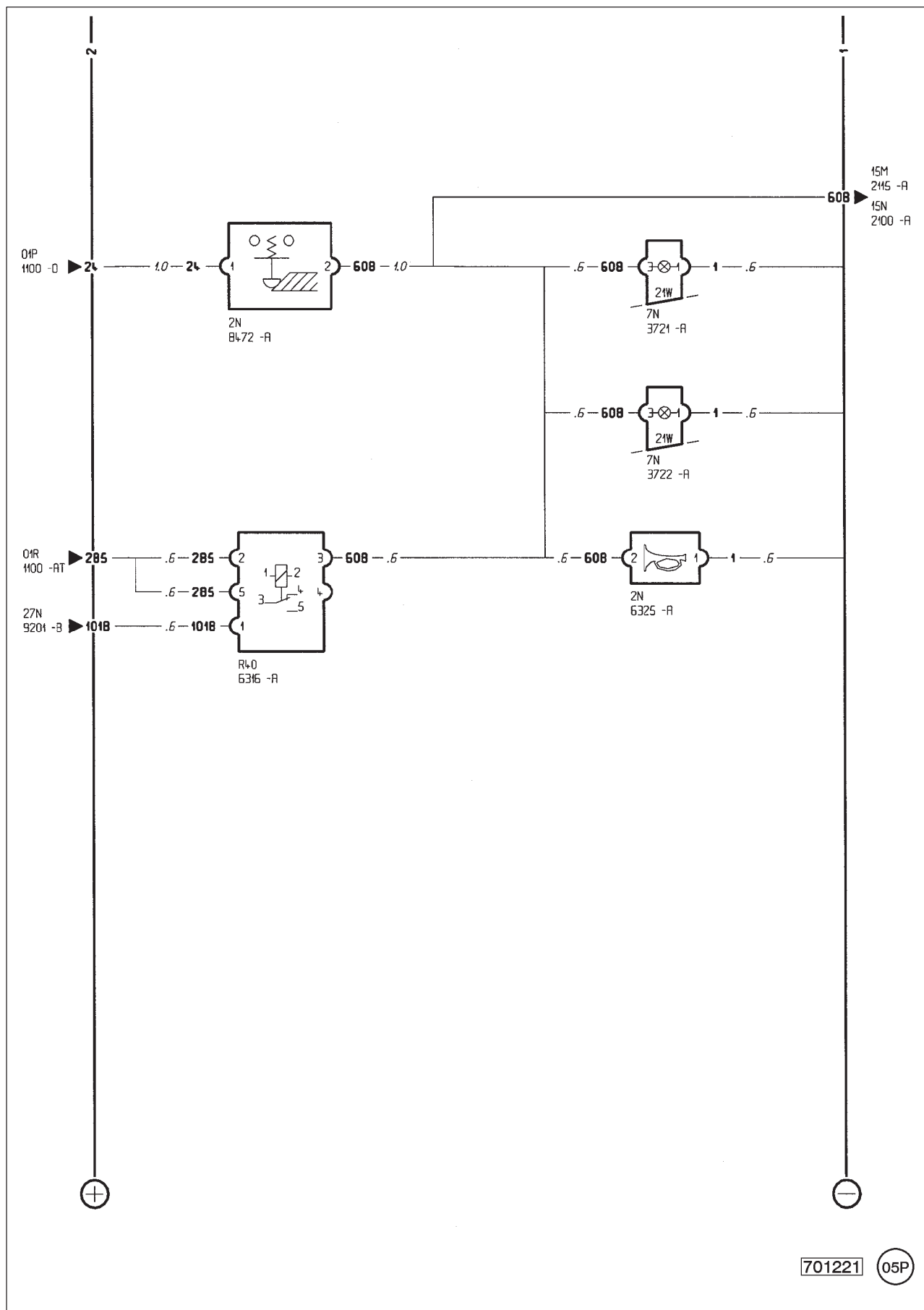




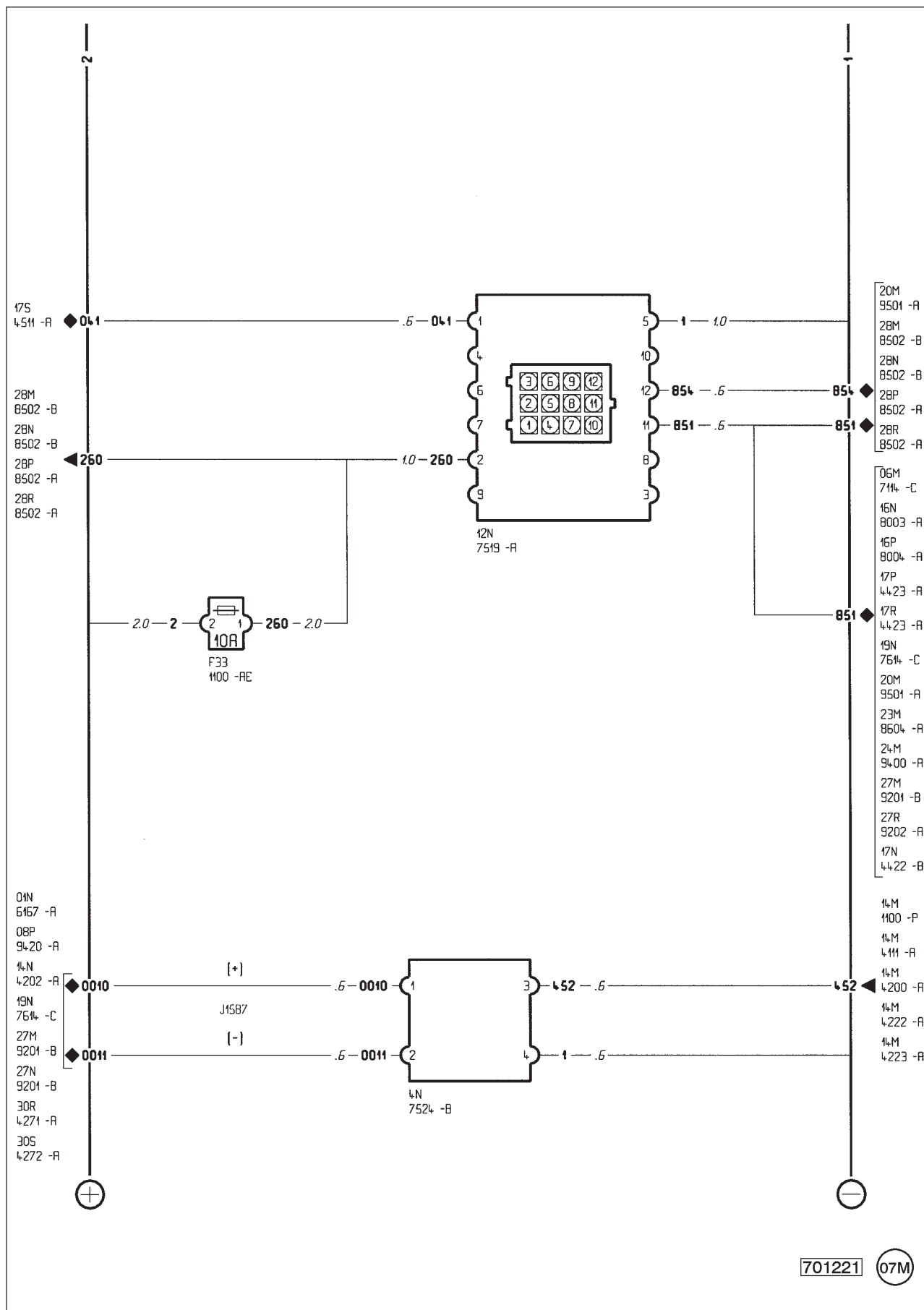
SIGNALLING



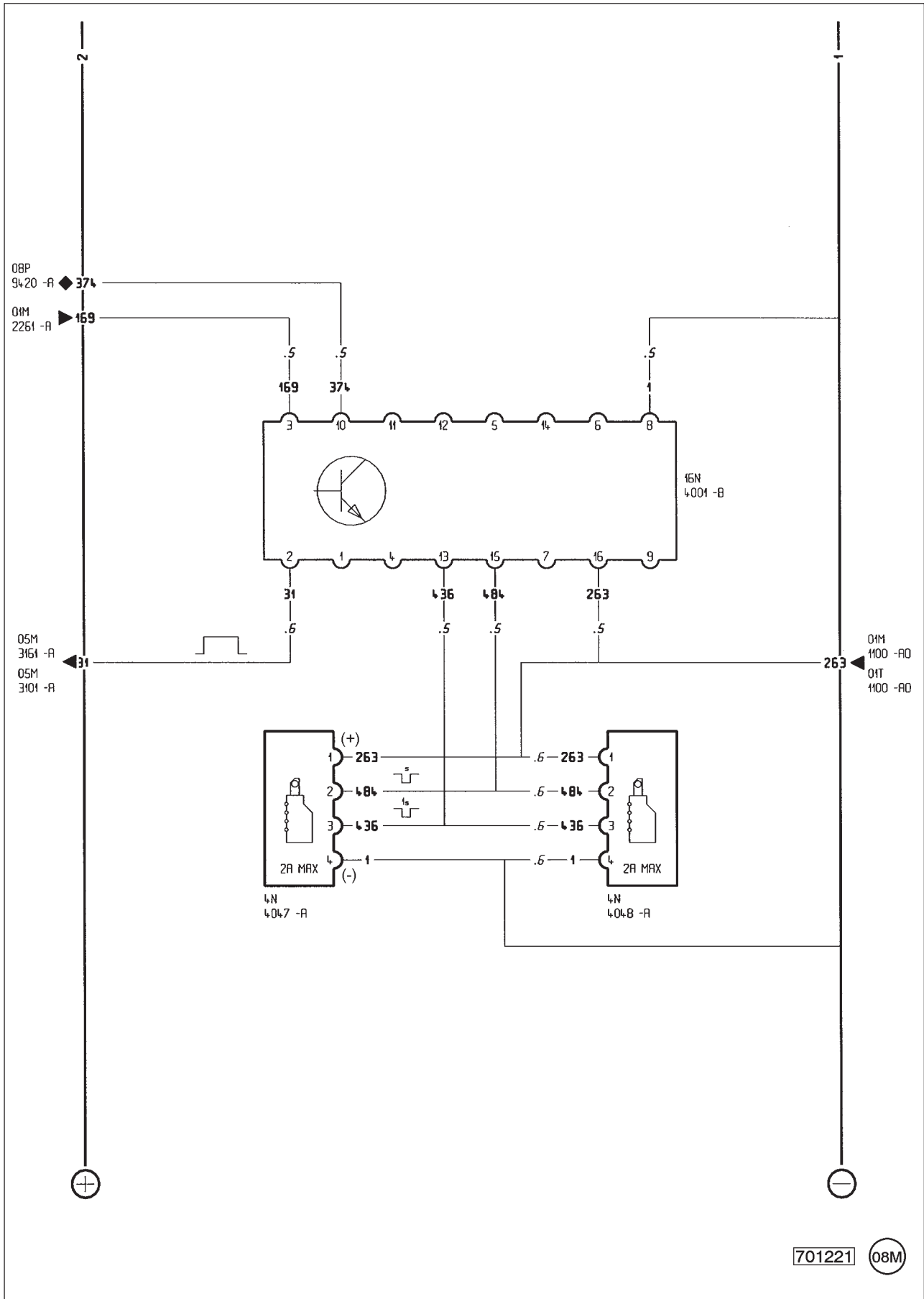
STOP LIGHTS



REVERSING LIGHTS



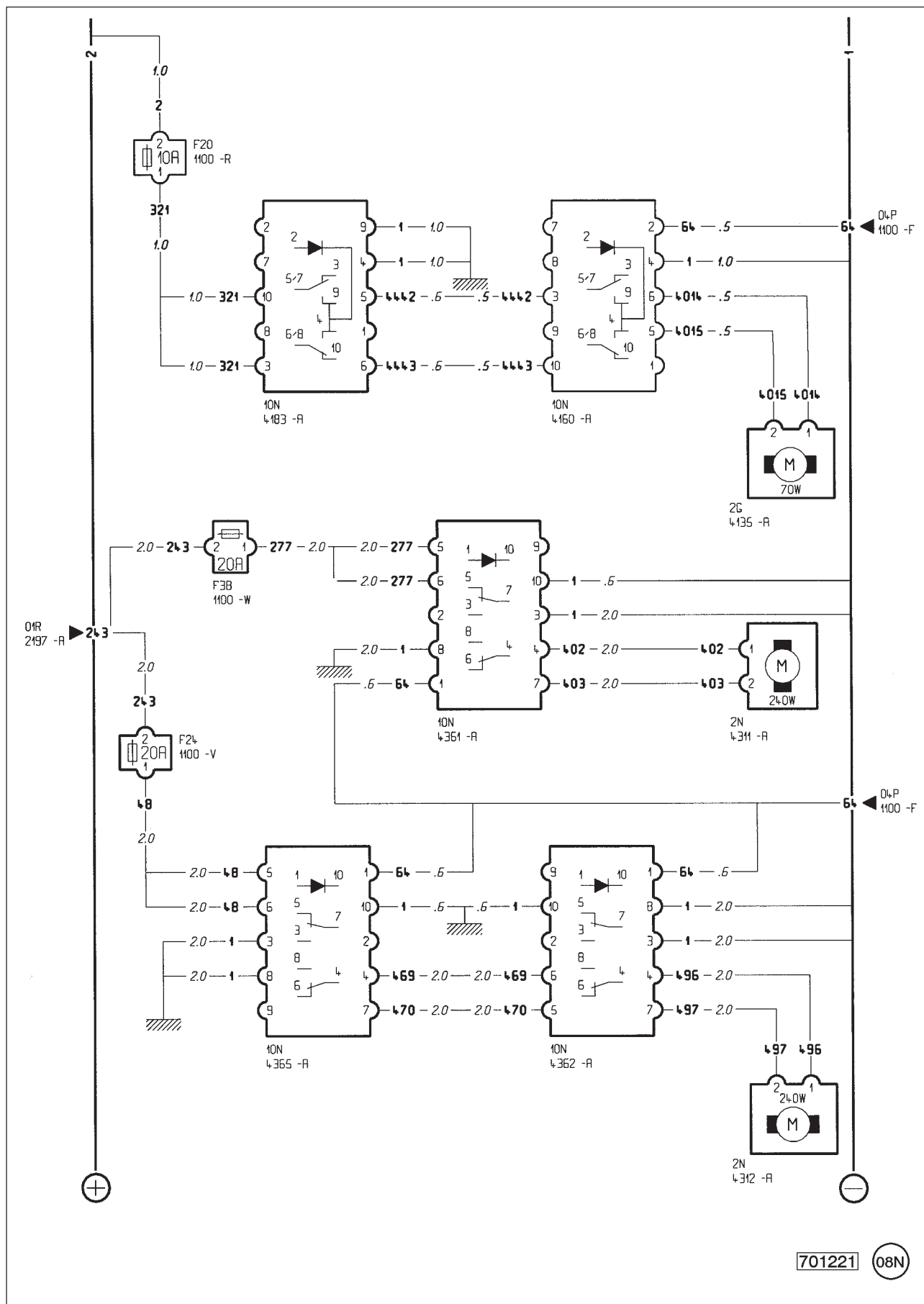
DIAGNOSTICS SOCKETS

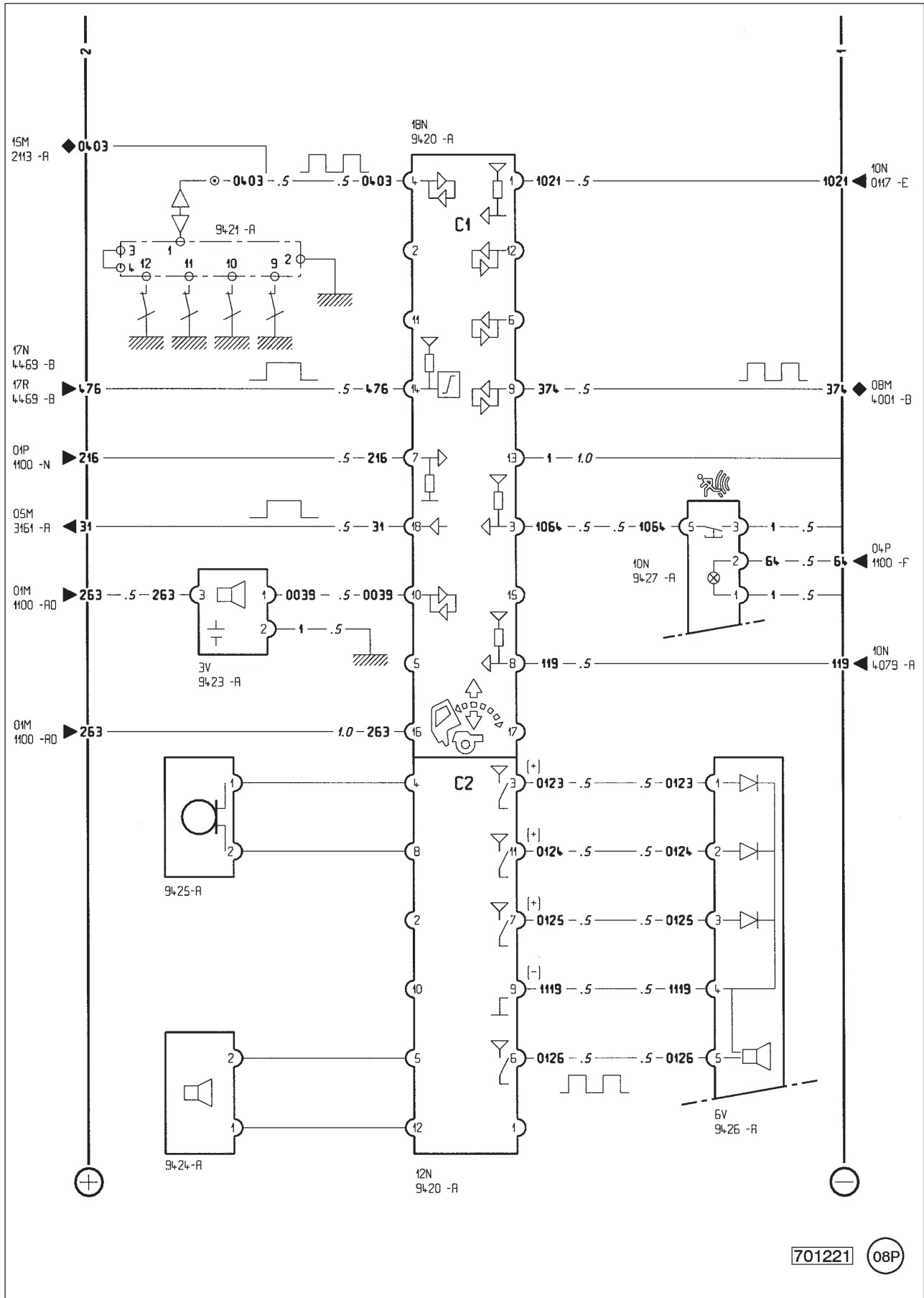


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08M

DOORS LOCKING

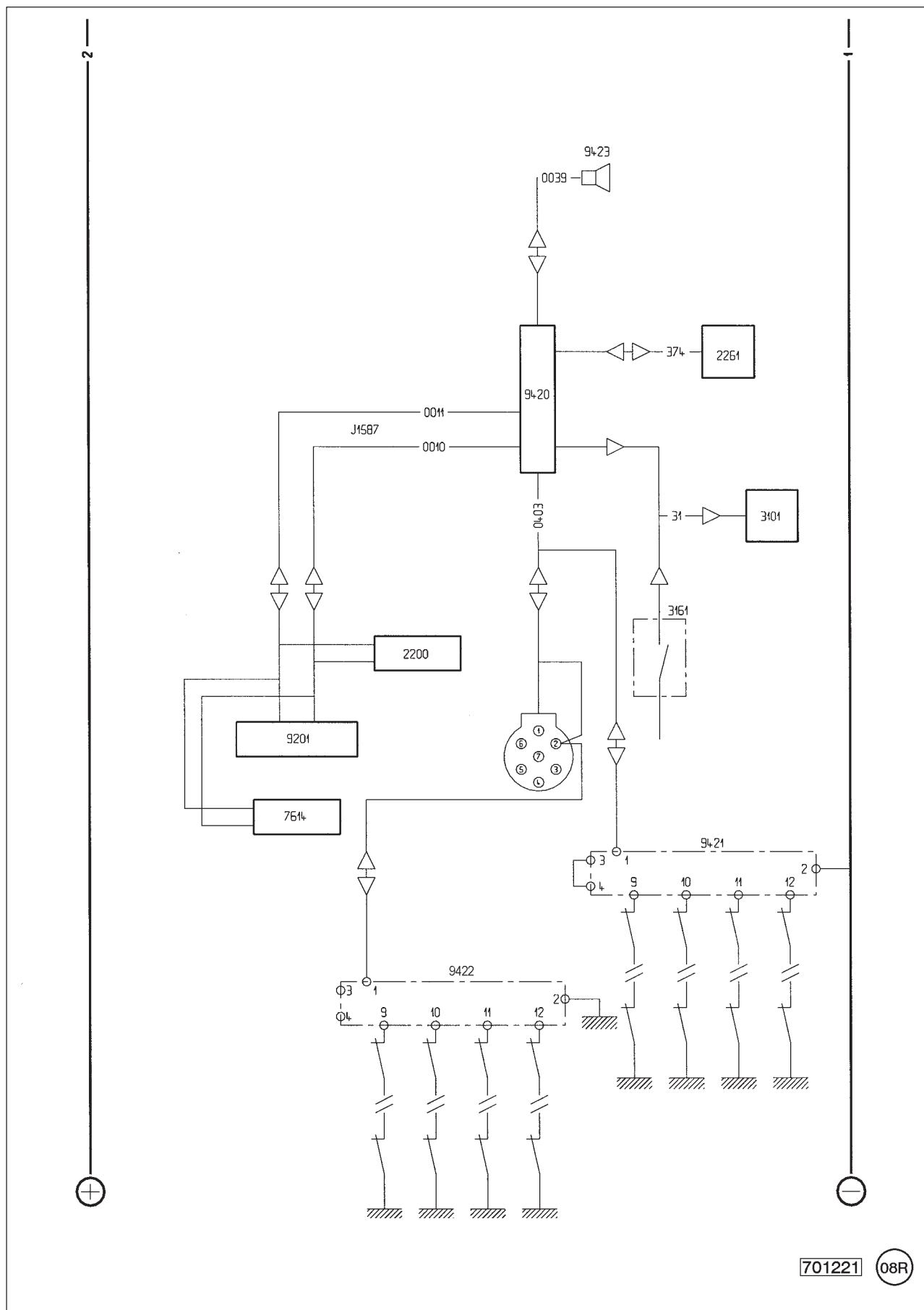




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08P

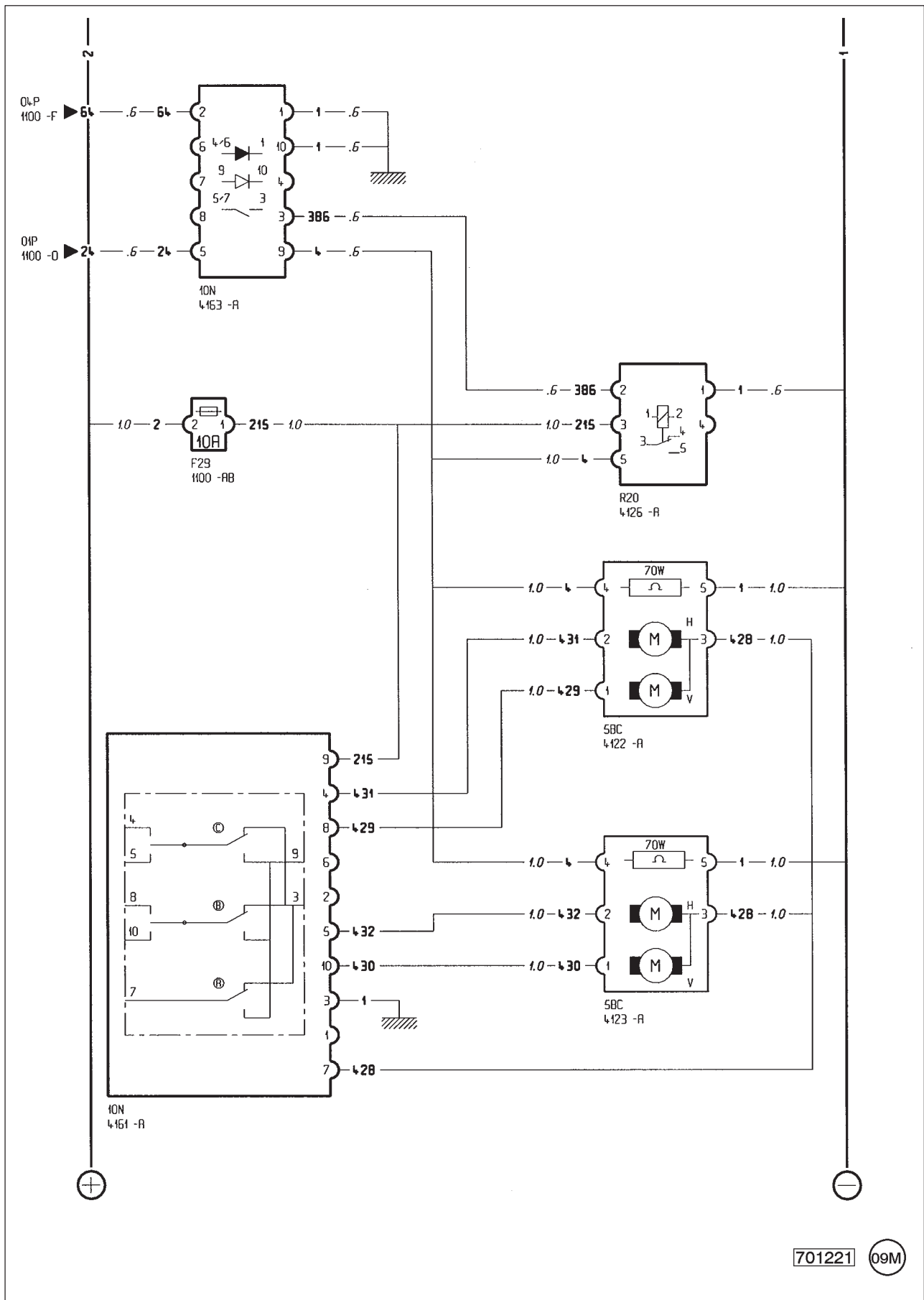
ALARM



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08R

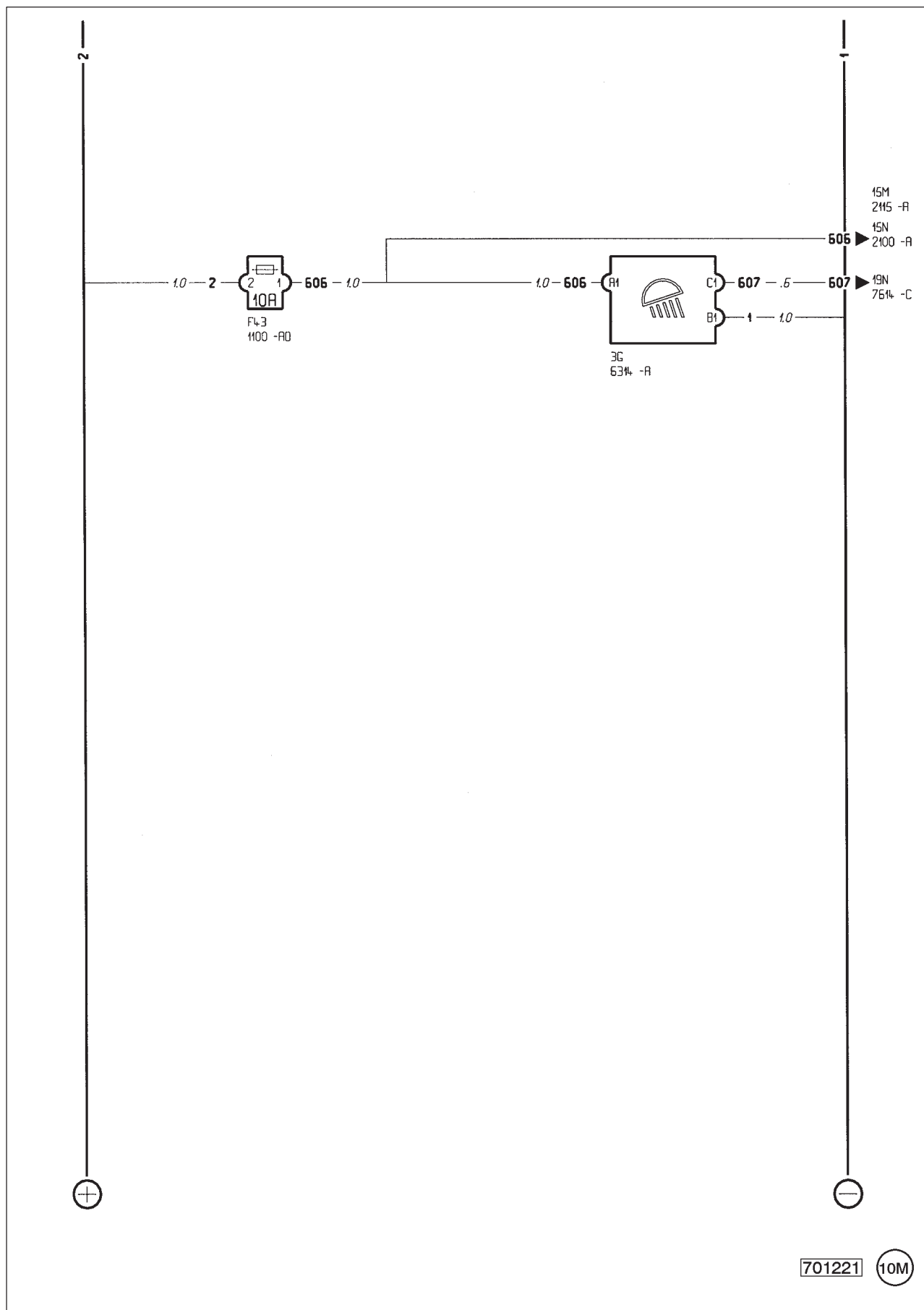
ALARM



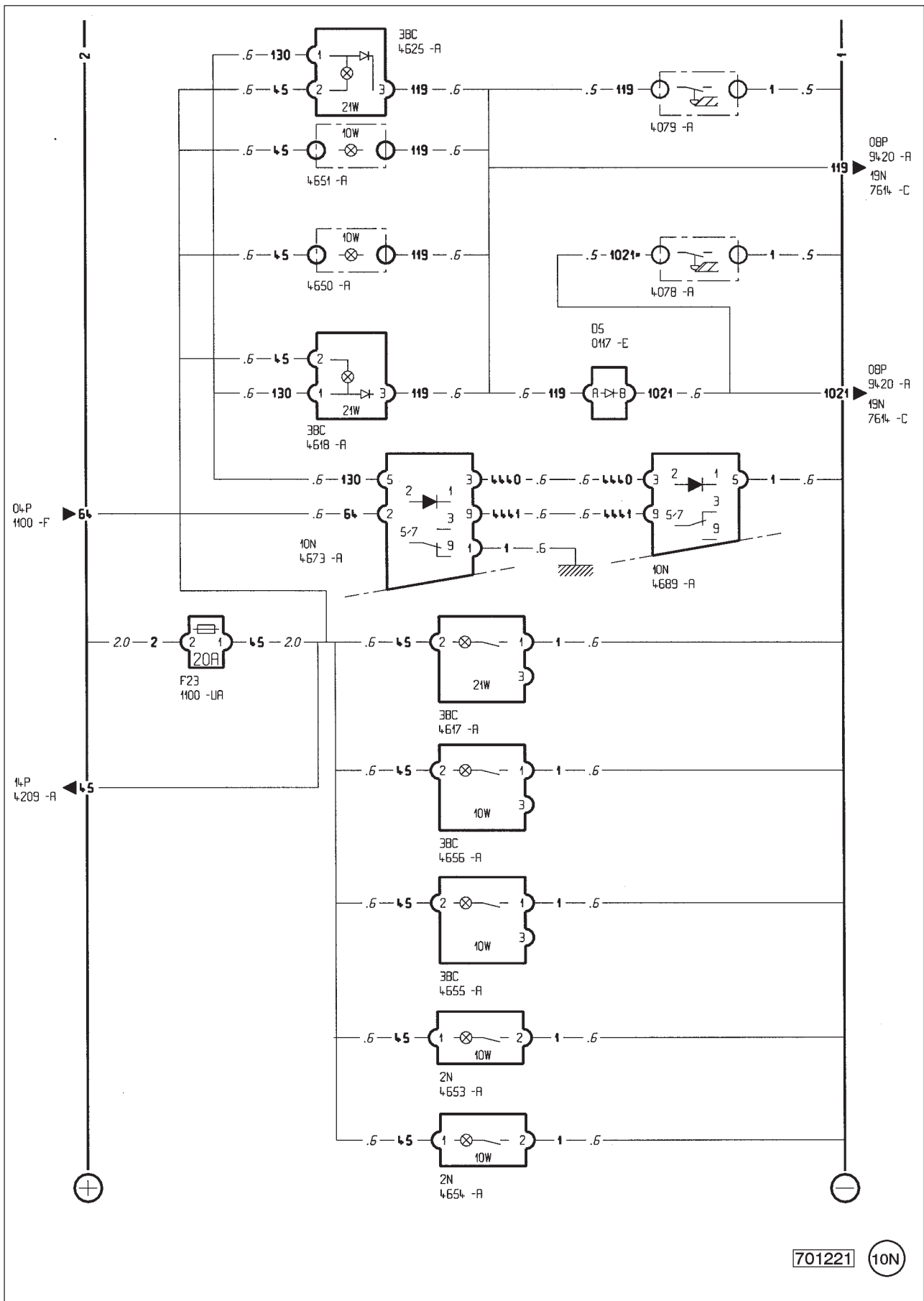
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09M

ELECTRIC DEFROSTING REARVIEW MIRROR

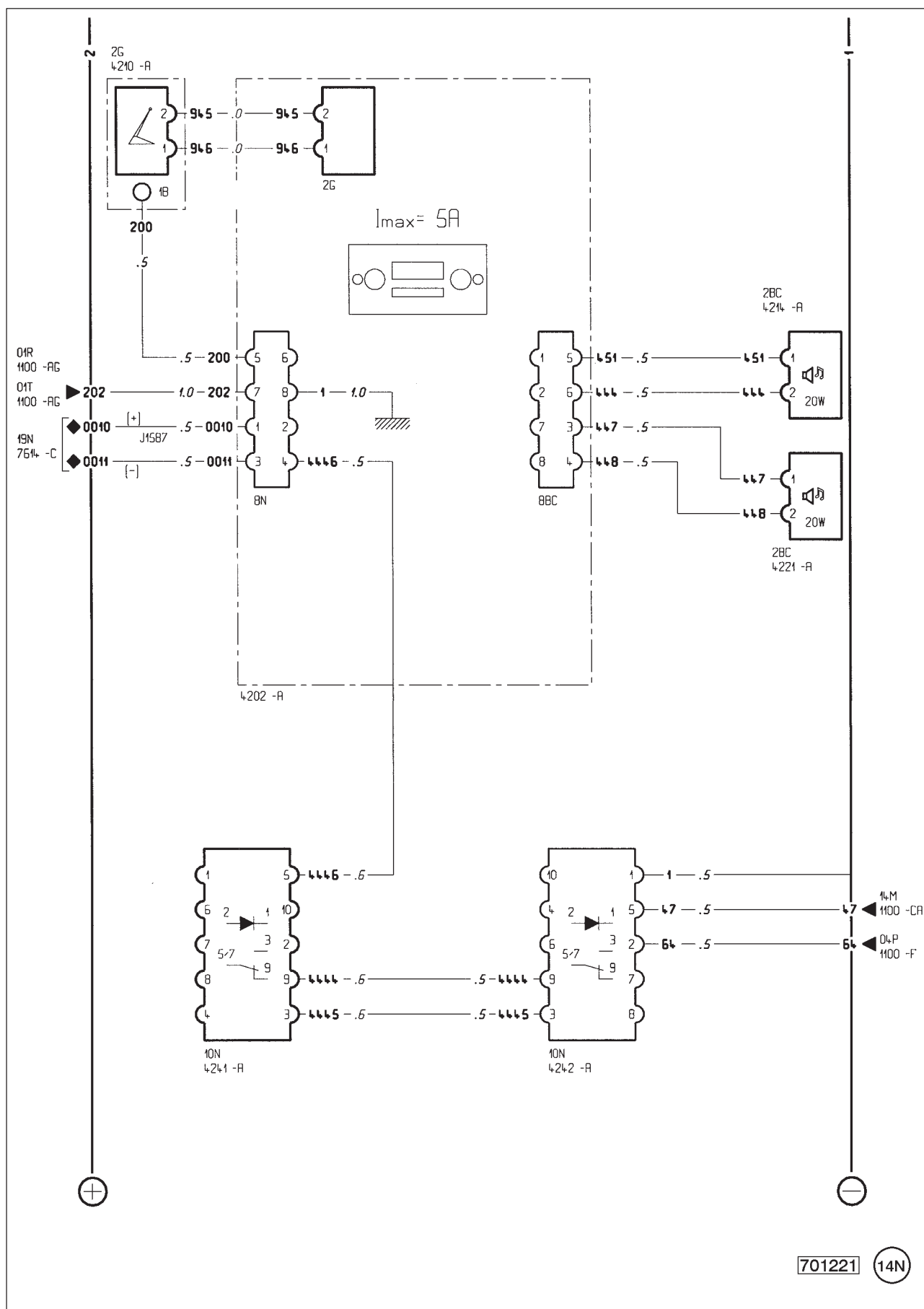


LOADING FLOODLIGHT



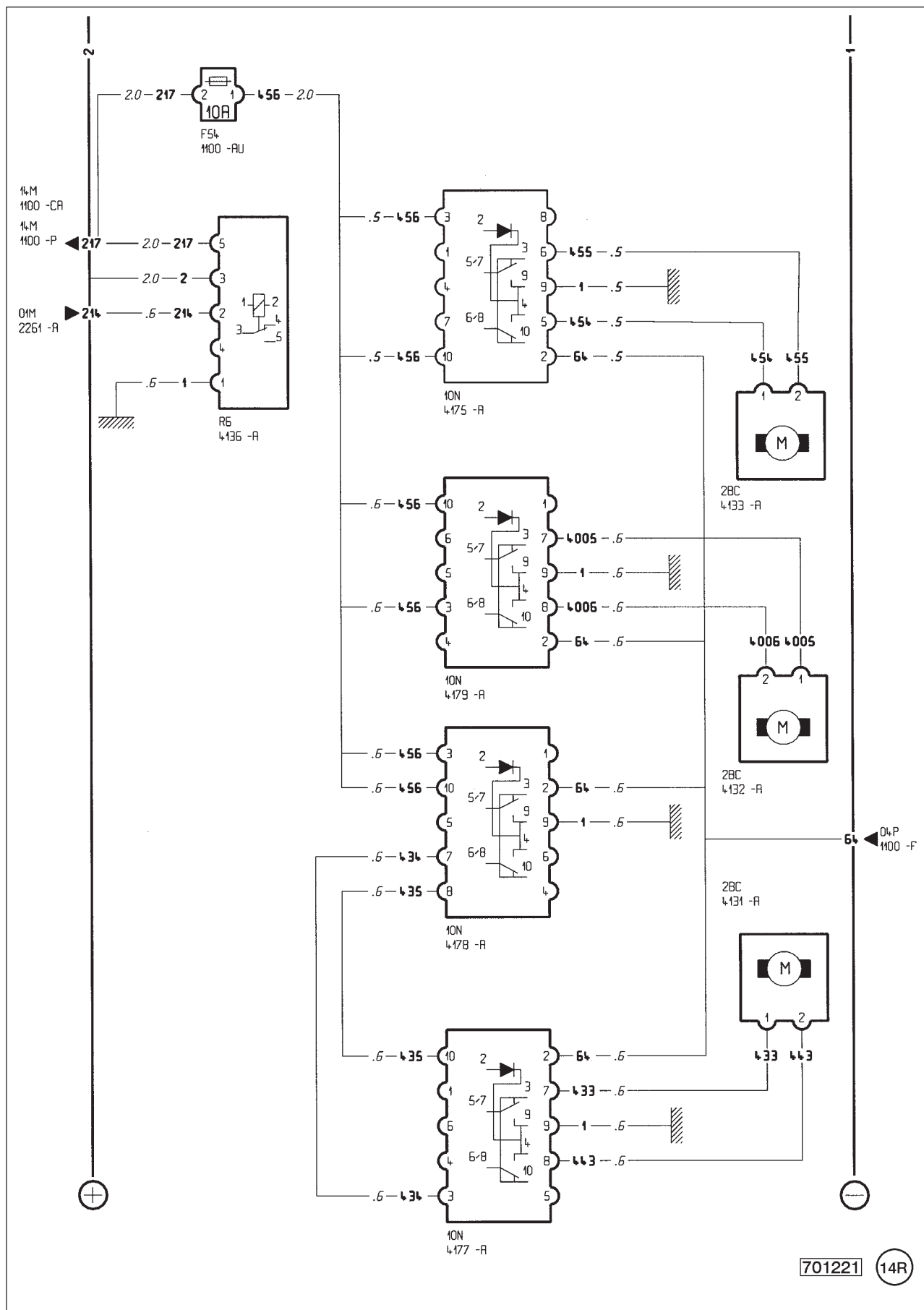
CAB INTERIOR LIGHTING

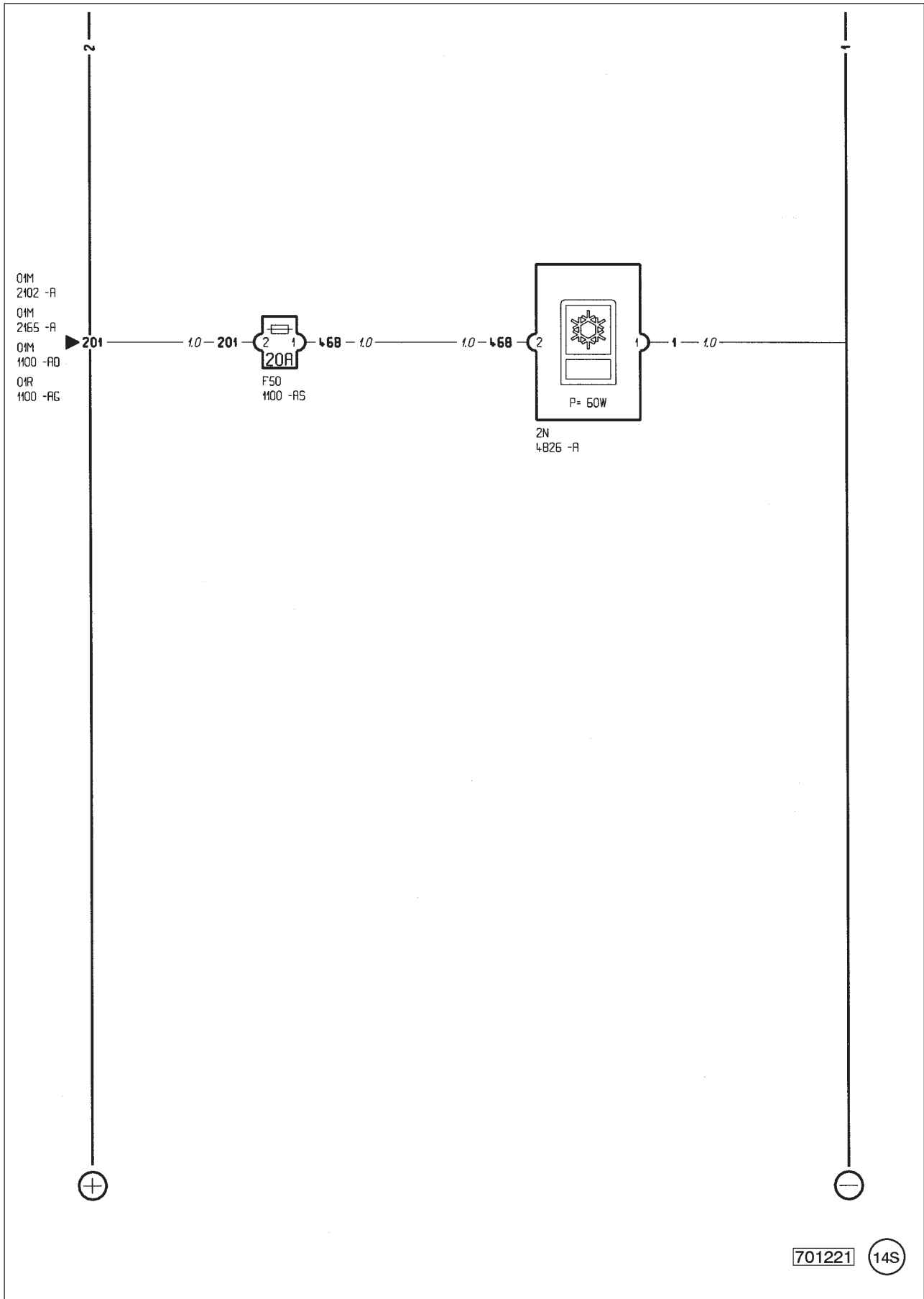




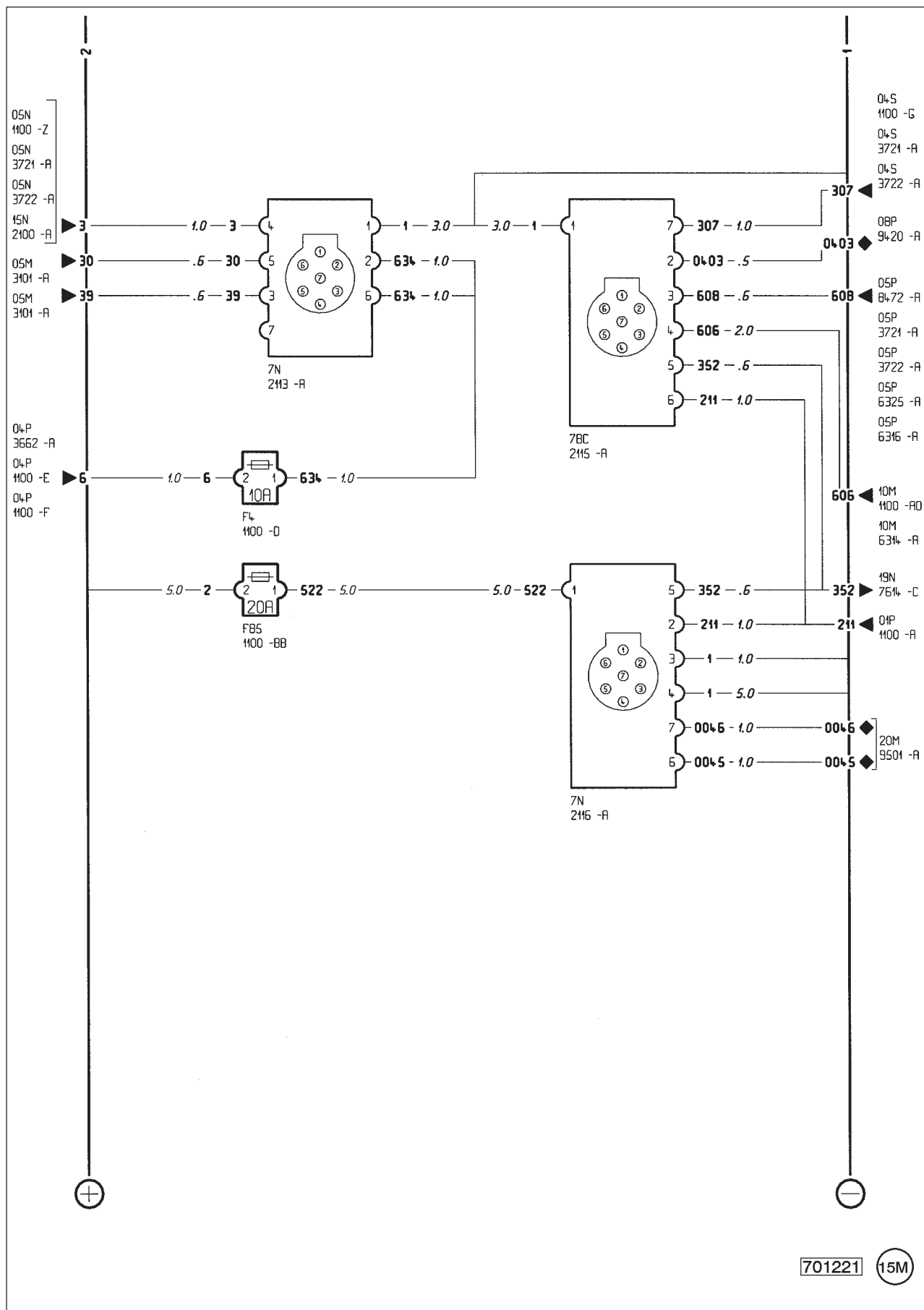
RADIO SET



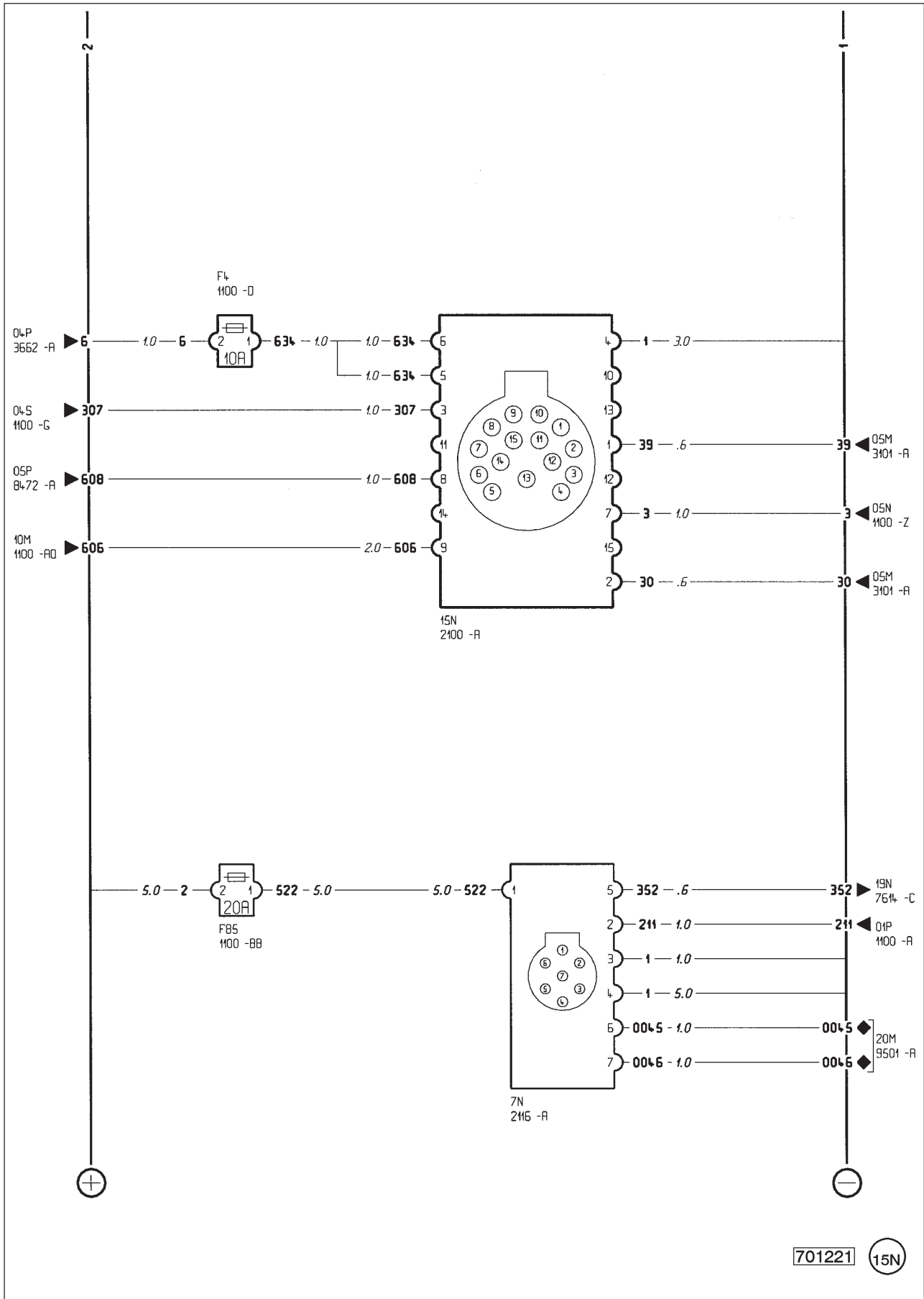




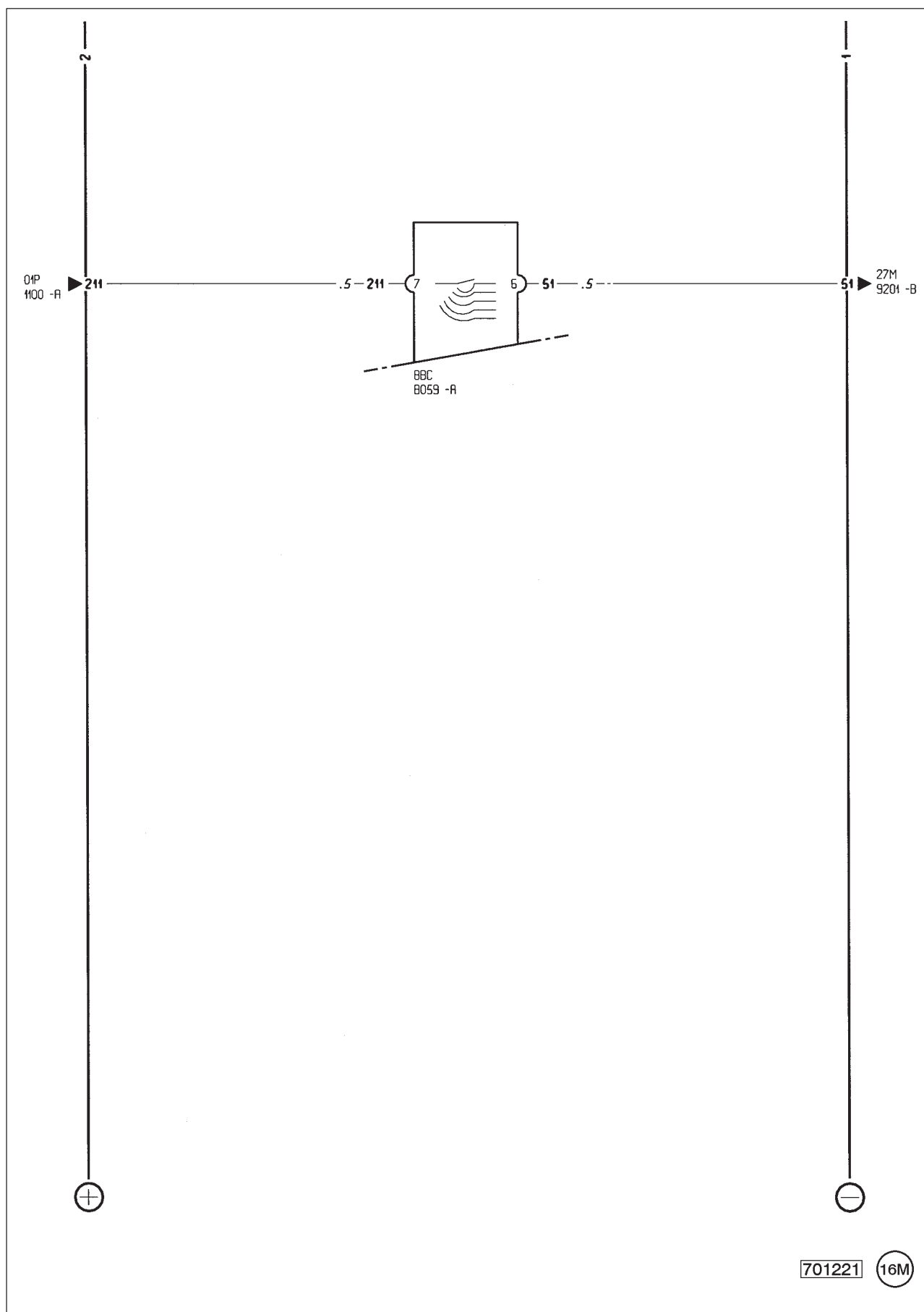
REFRIGERATOR



TRAILER SOCKETS

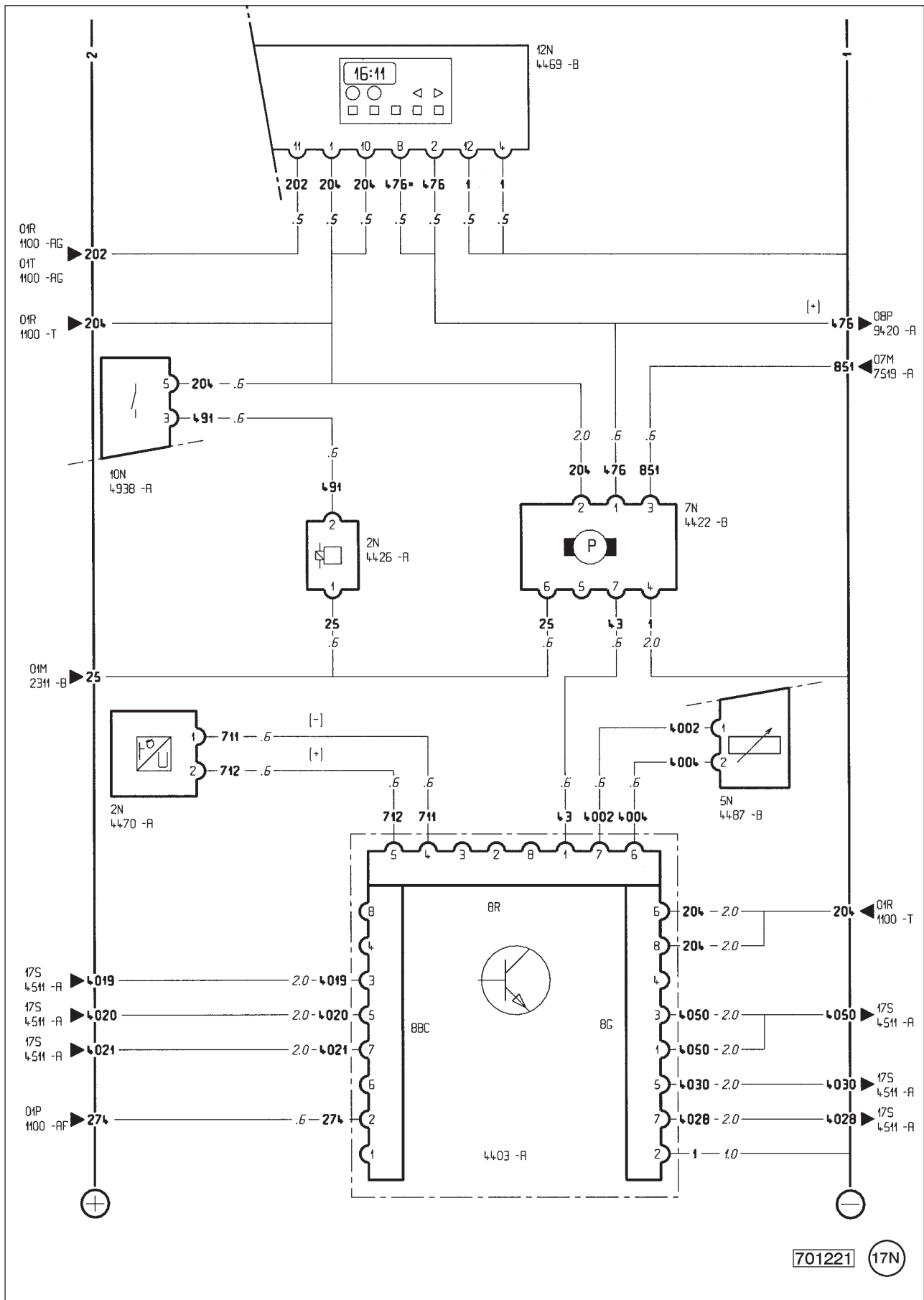


ADR TRAILER SOCKET



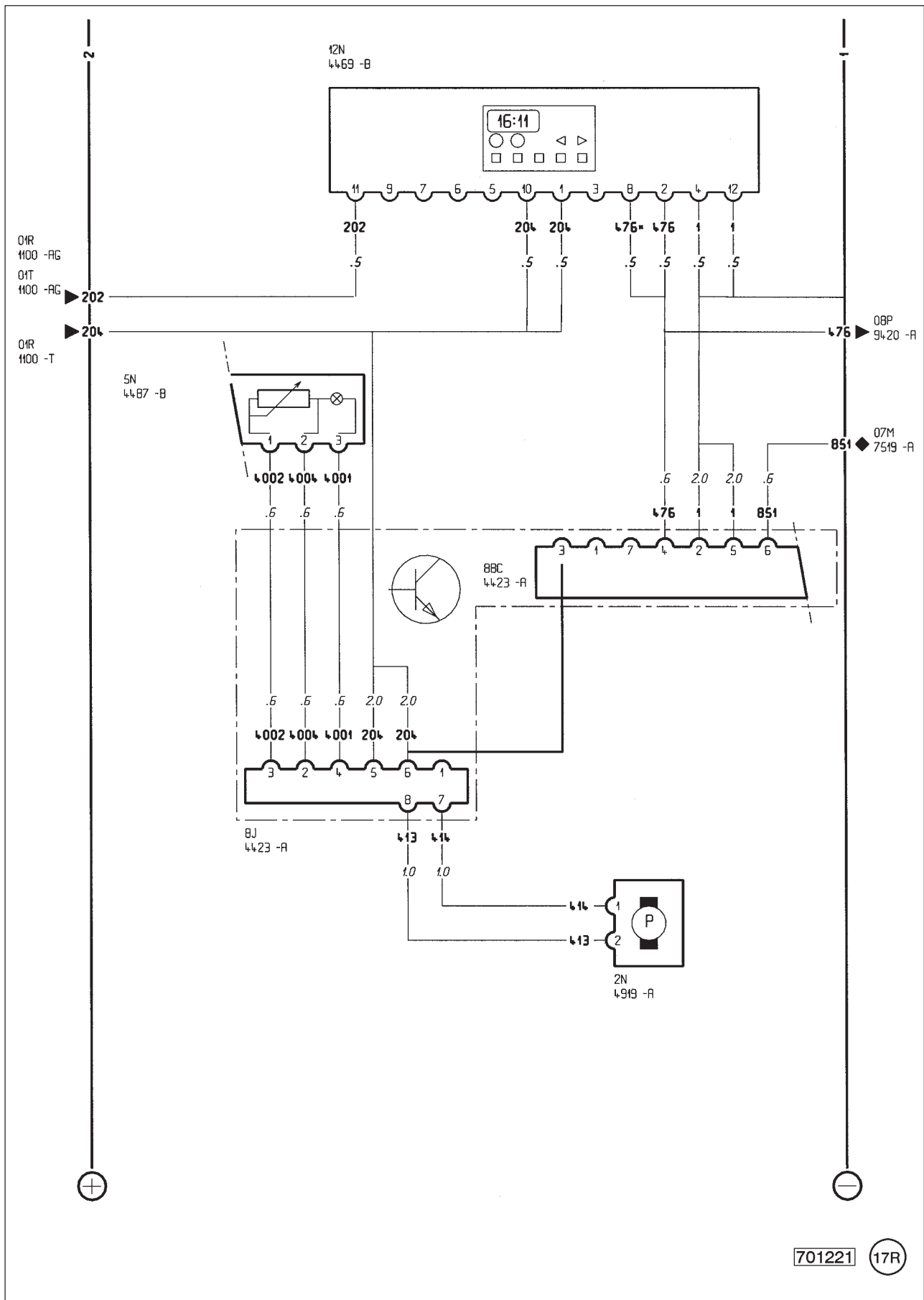
ENGINE BRAKE / EXHAUST BRAKE





INDEPENDENT HEATING "THERMO 90S"

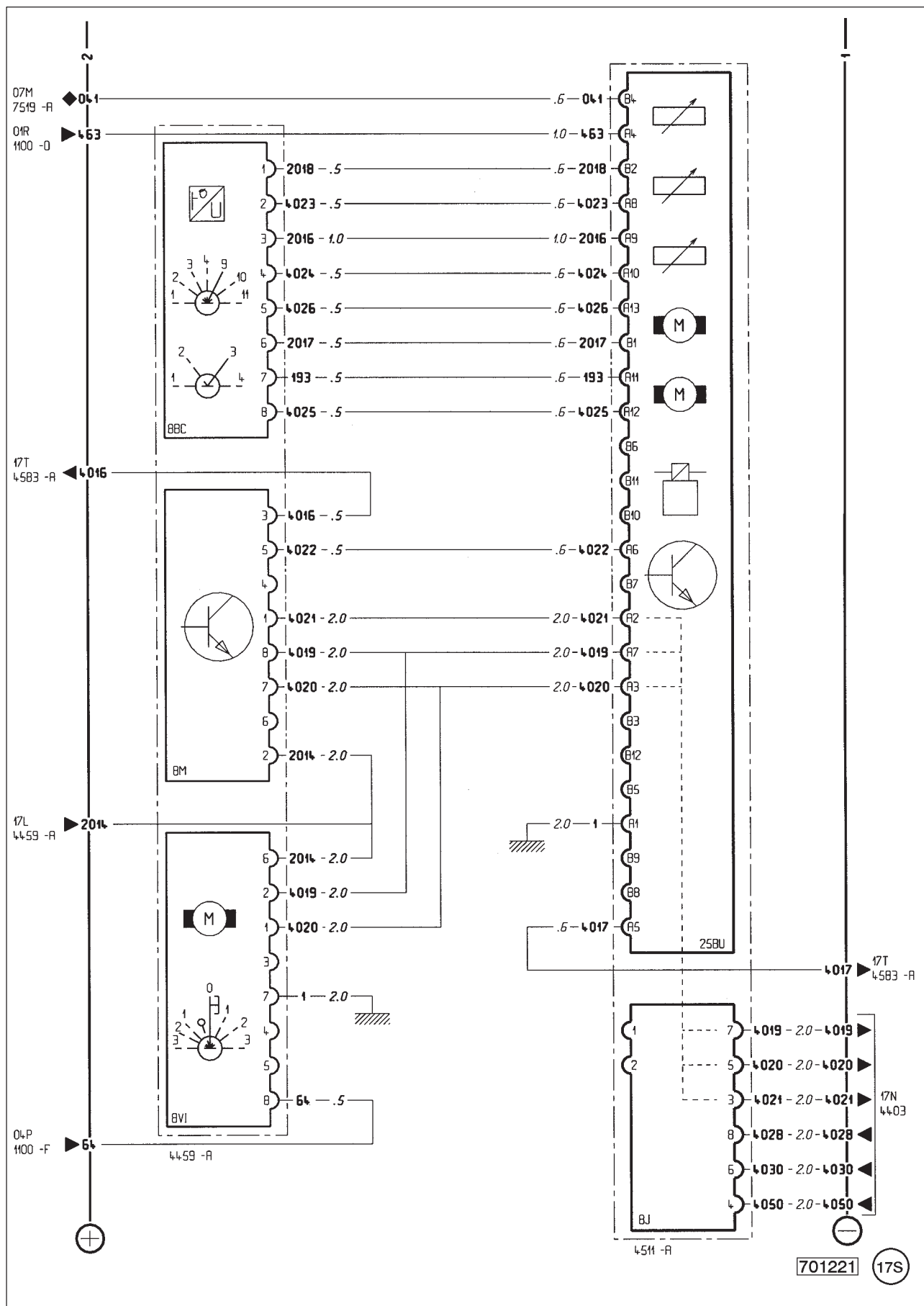




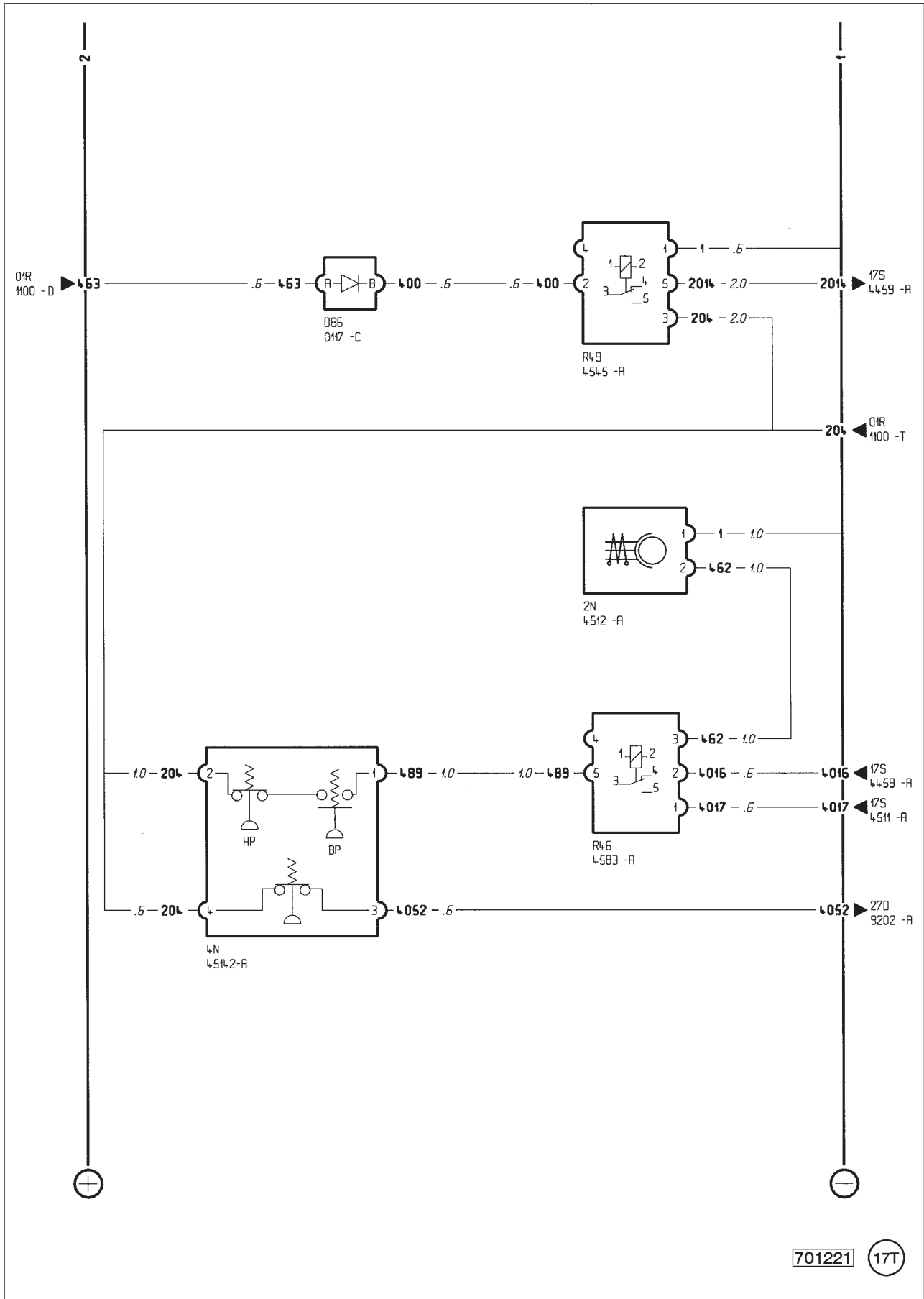
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17R

INDEPENDENT HEATING "D1LCC/D3LCC"

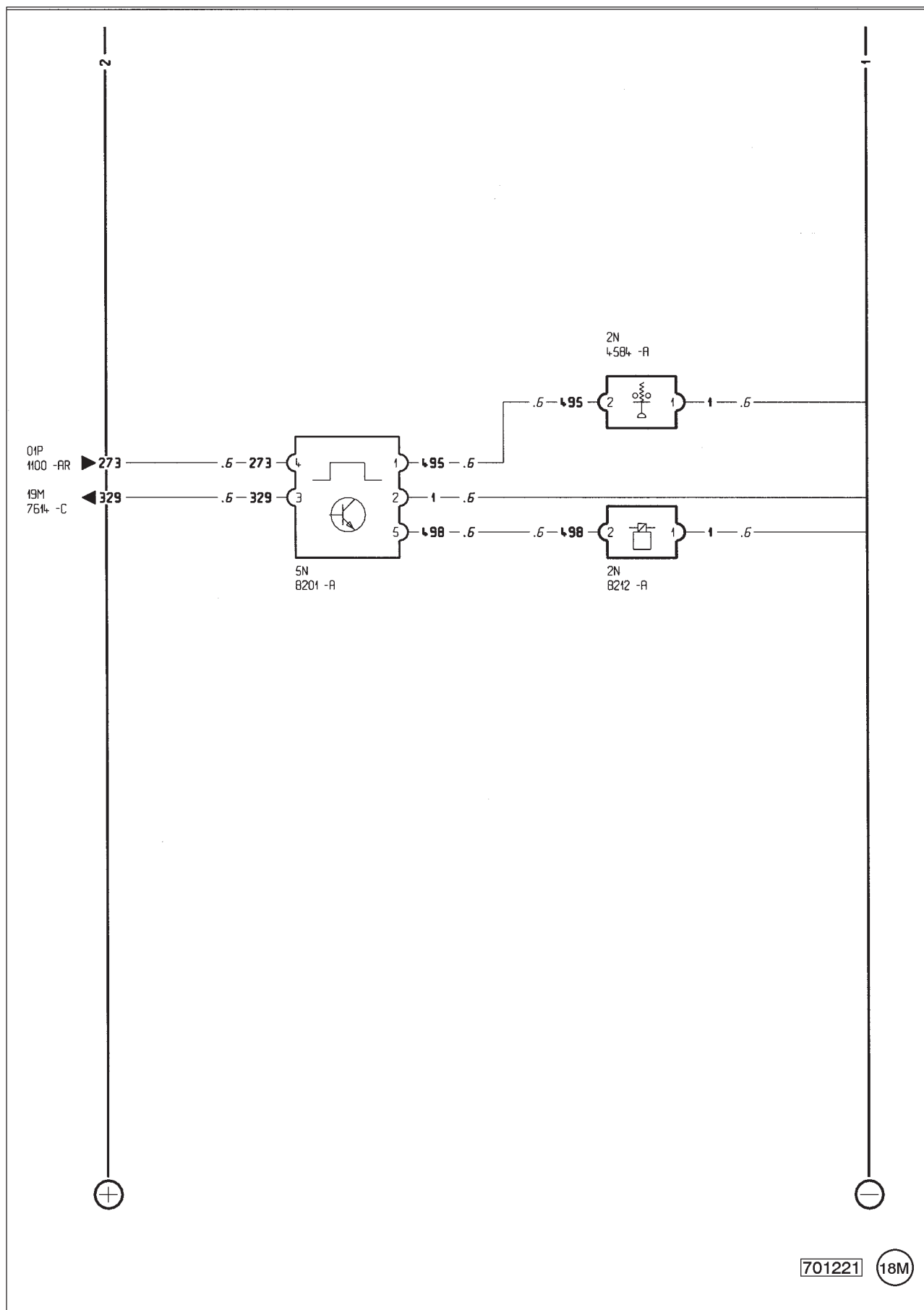


AIR CONDITIONING

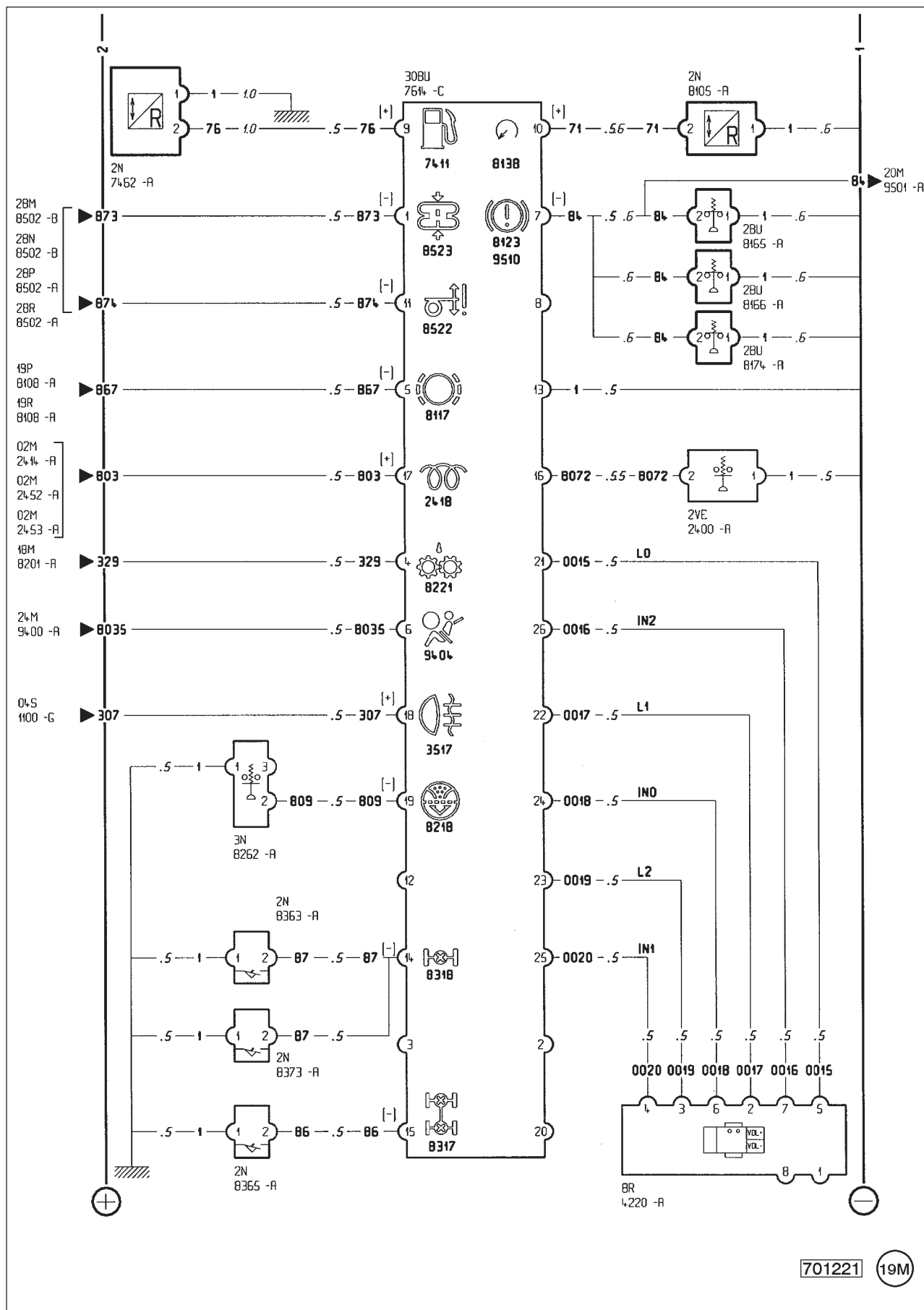


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17T

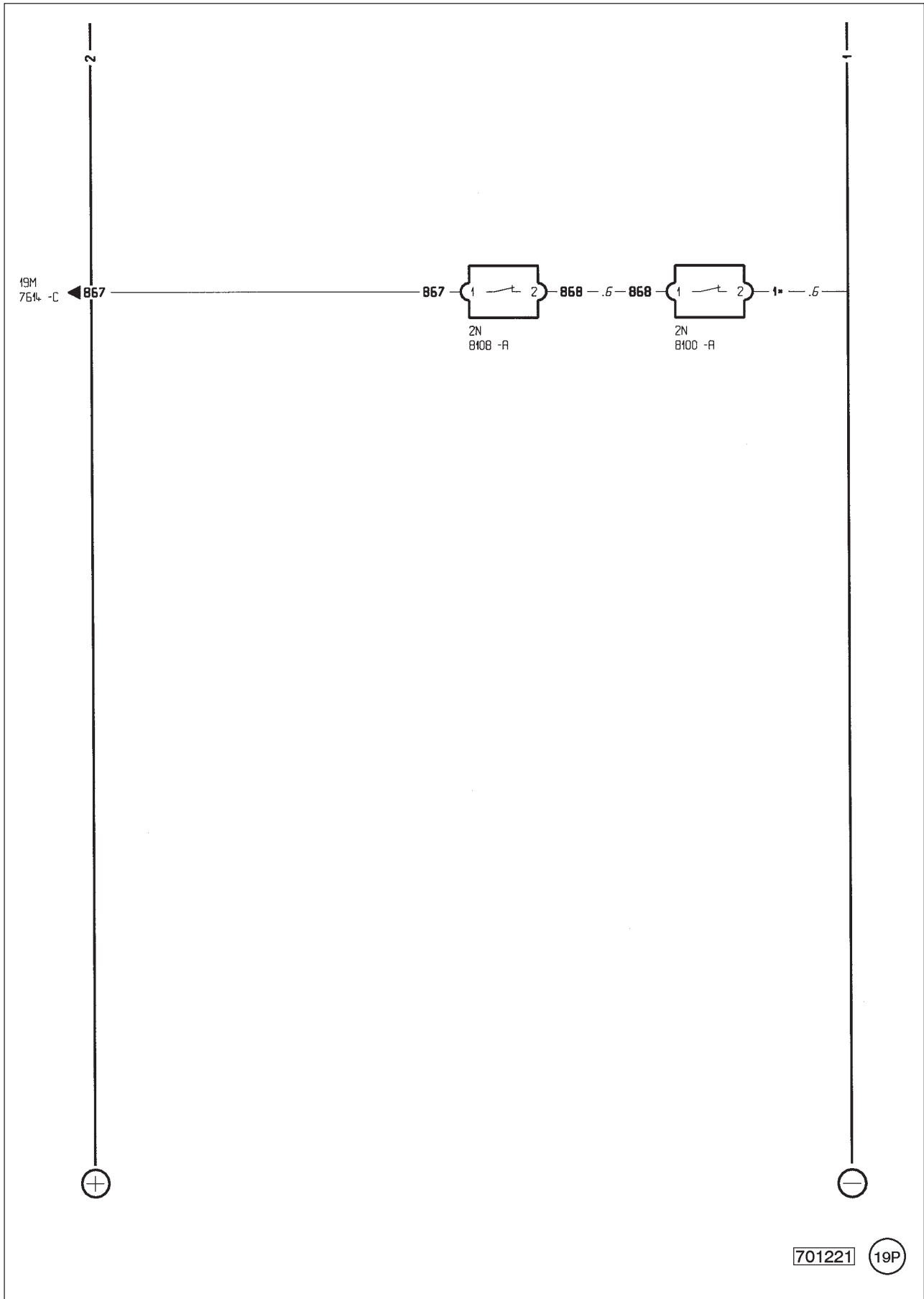


CENTRALIZED LUBRICATION

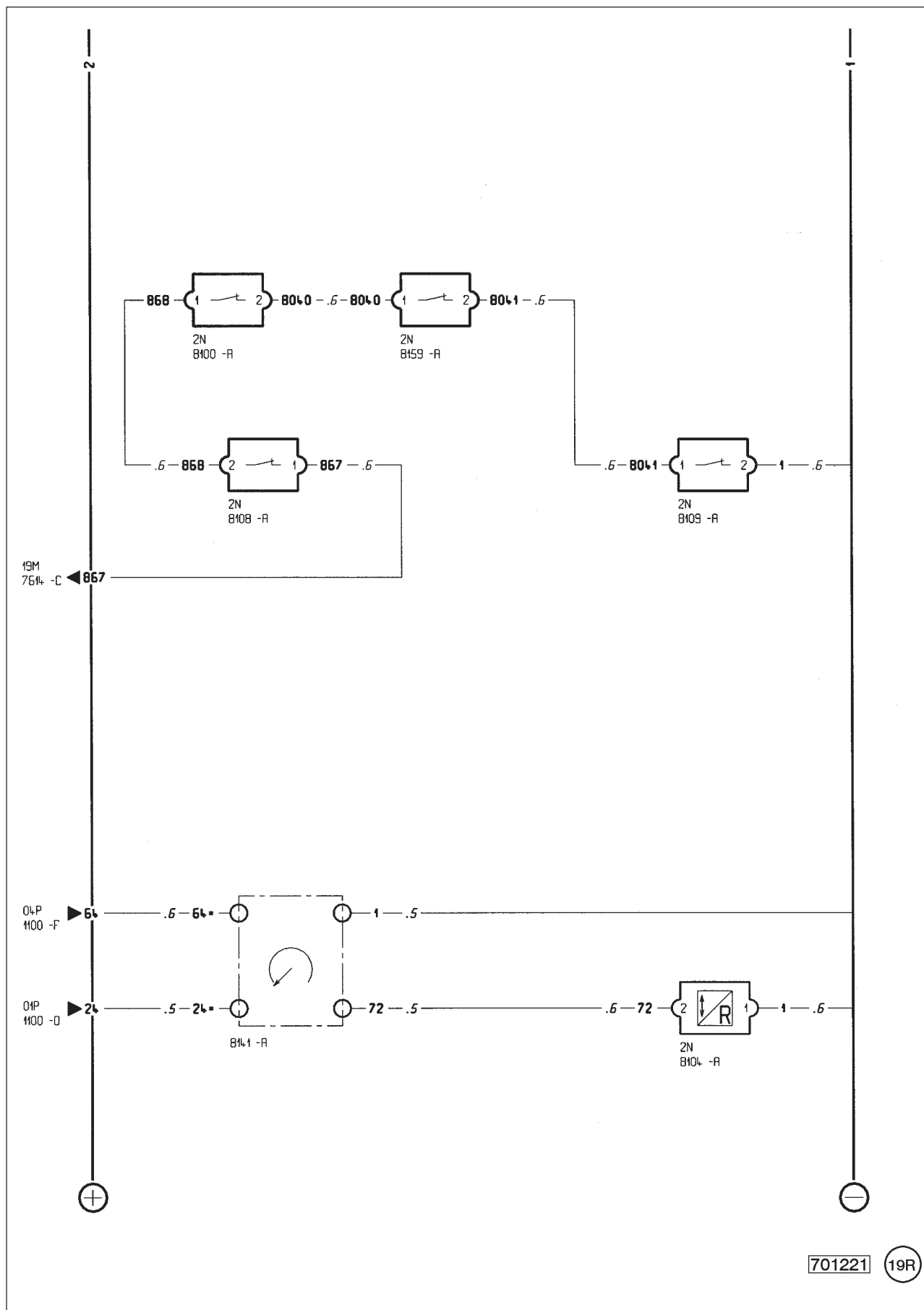


PRINCIPAL DISPLAY

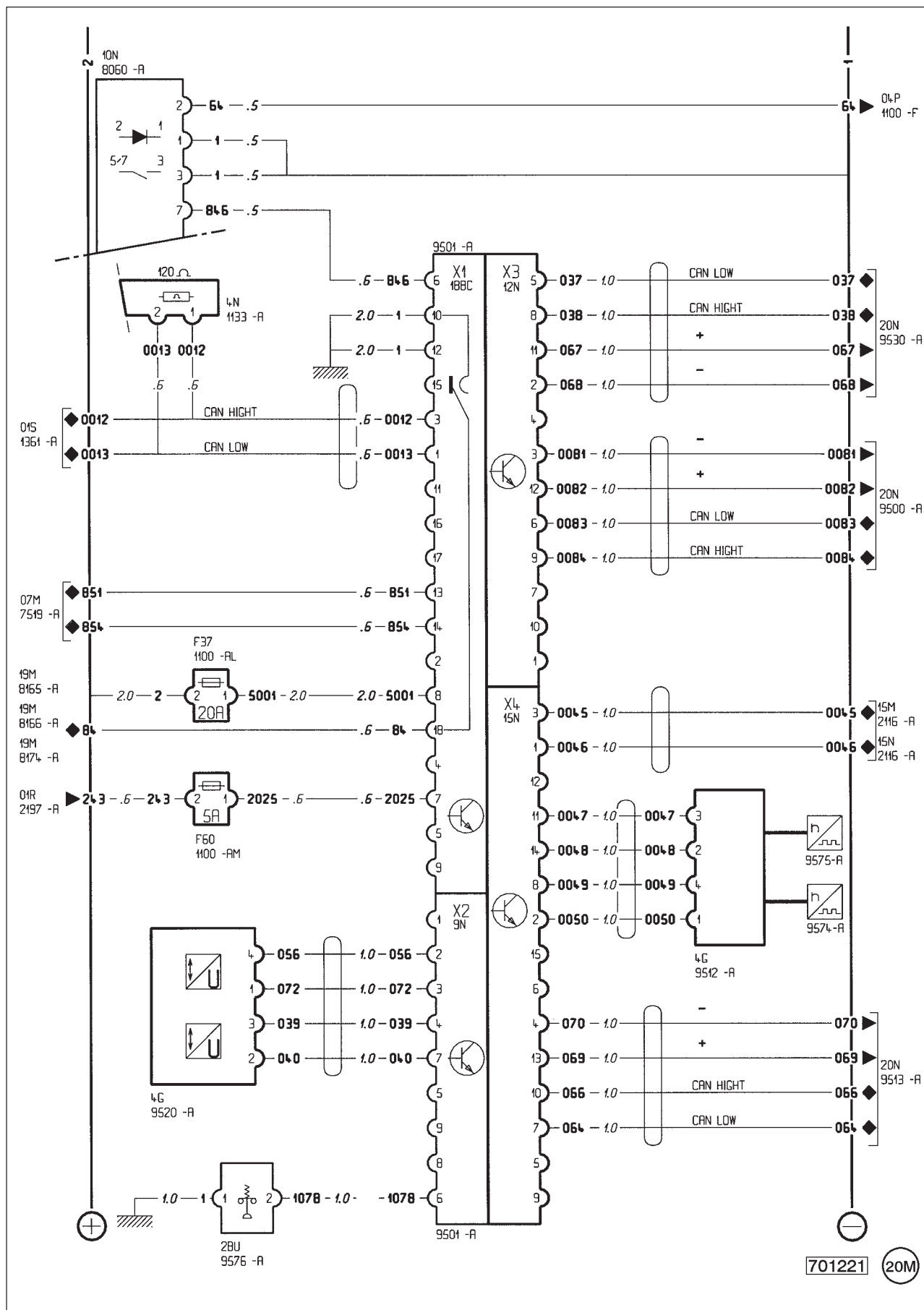




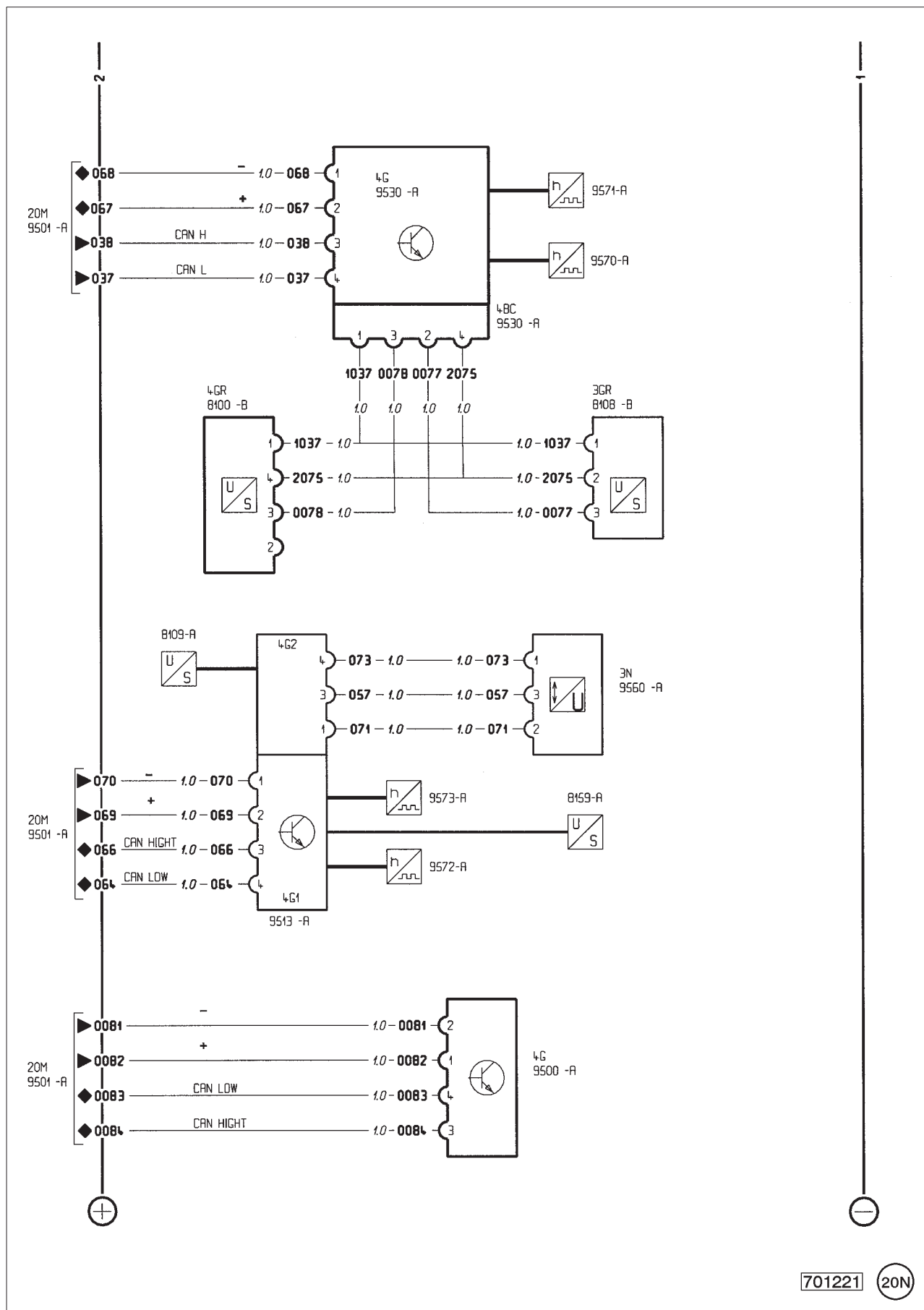
BRAKE PAD WEAR (2 discs)



BRAKE PAD WEAR (4 discs)

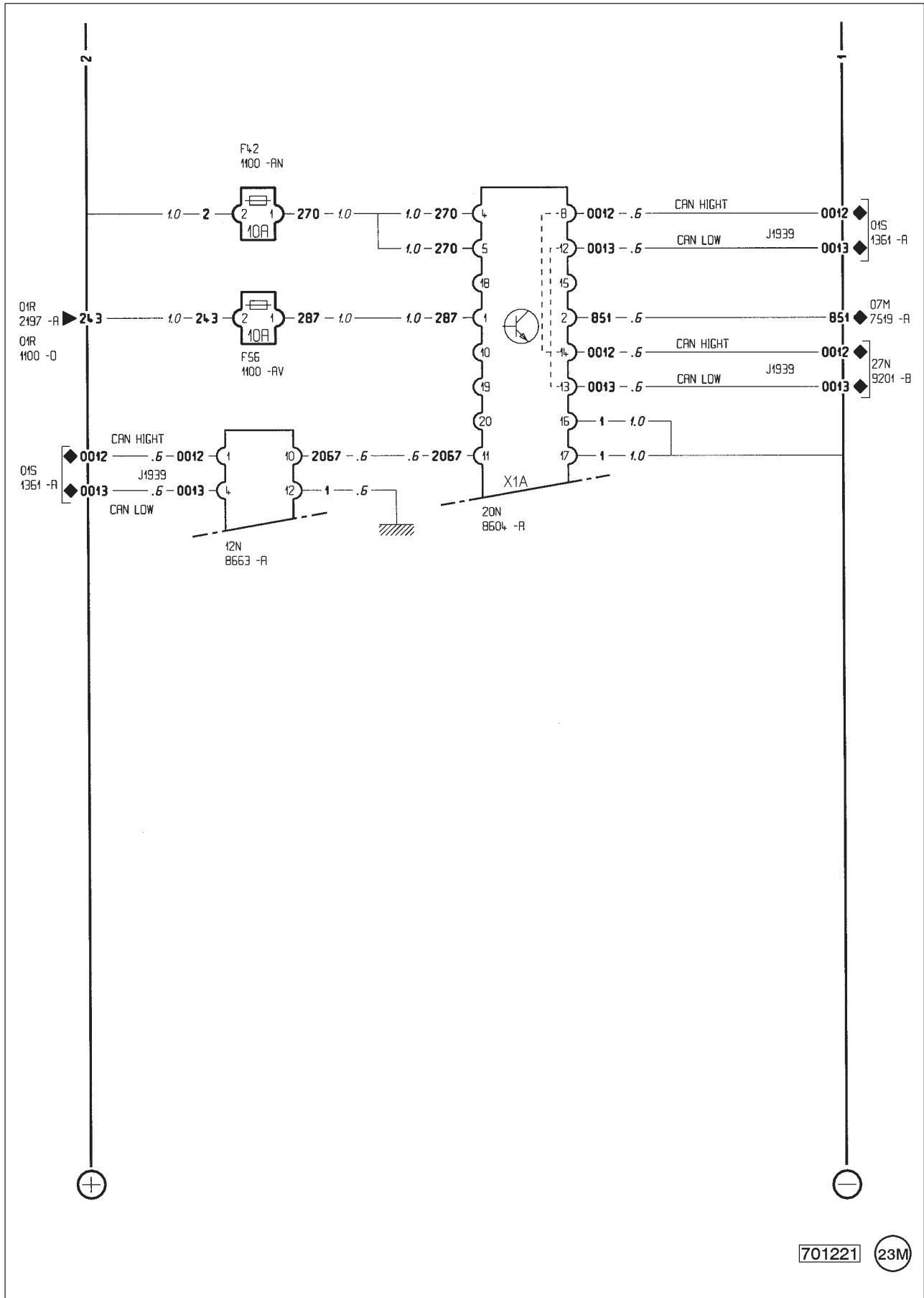


EBS EQUIPMENT



701221

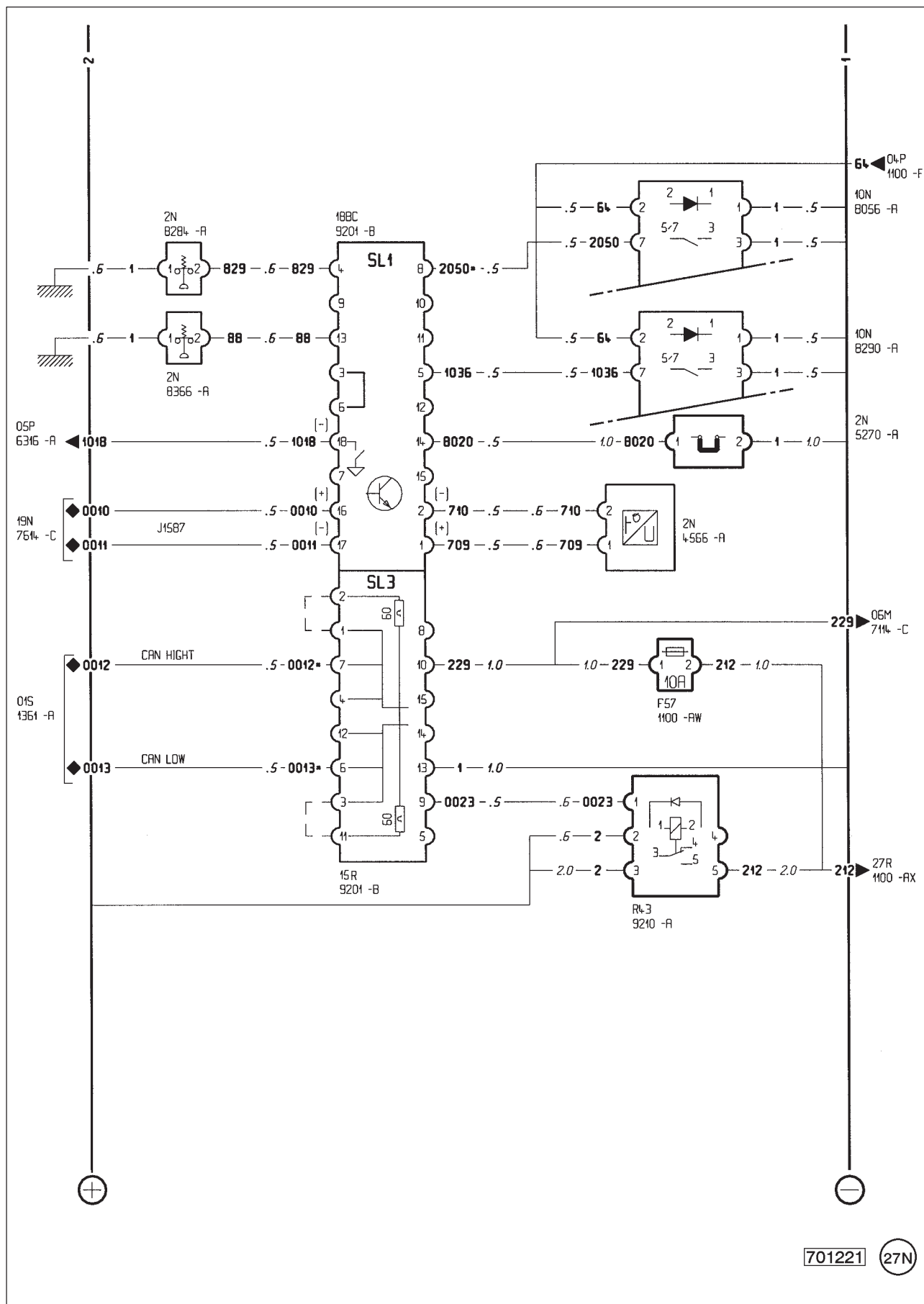
(20N)

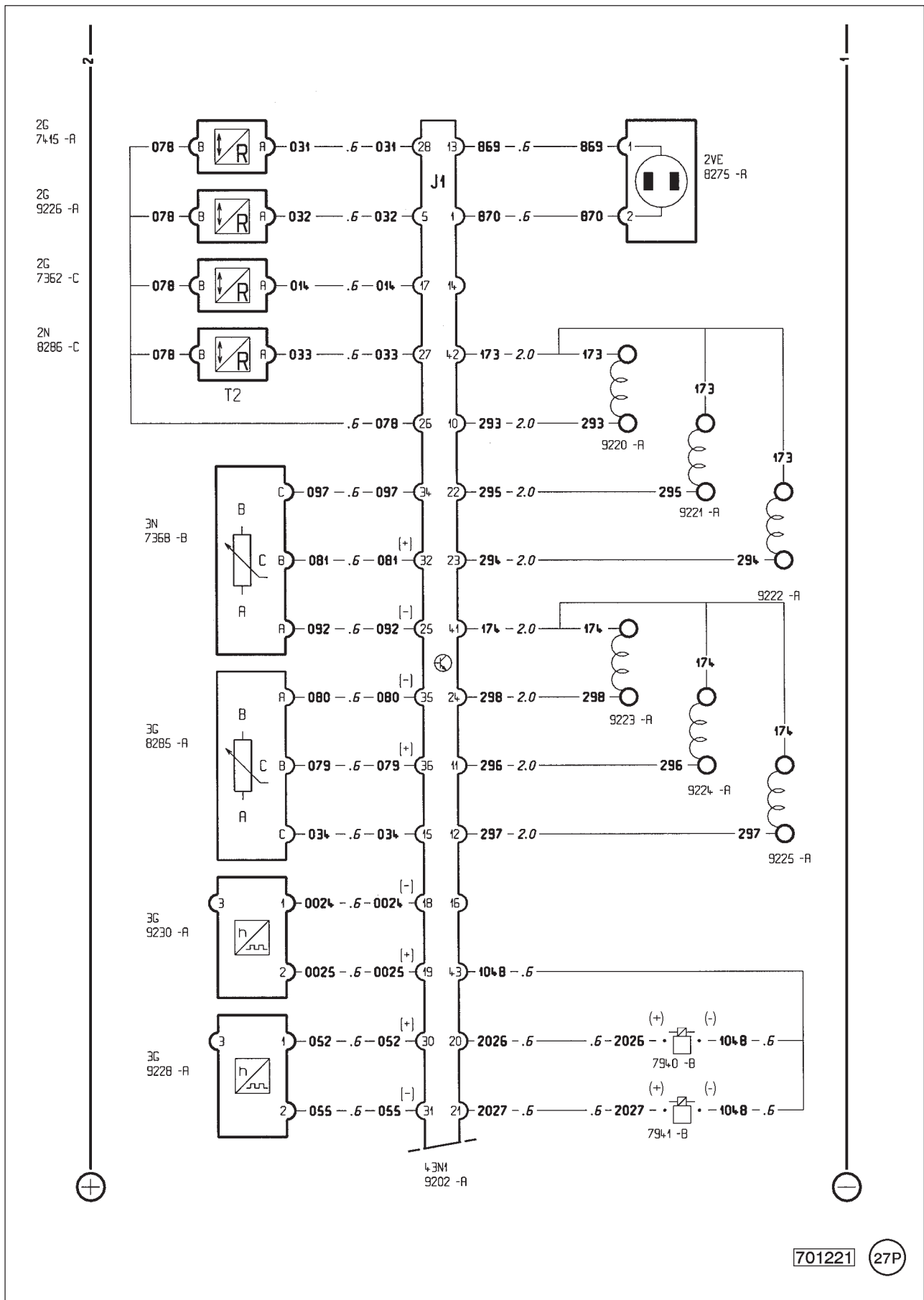


"ASTRONIC" GEARBOX

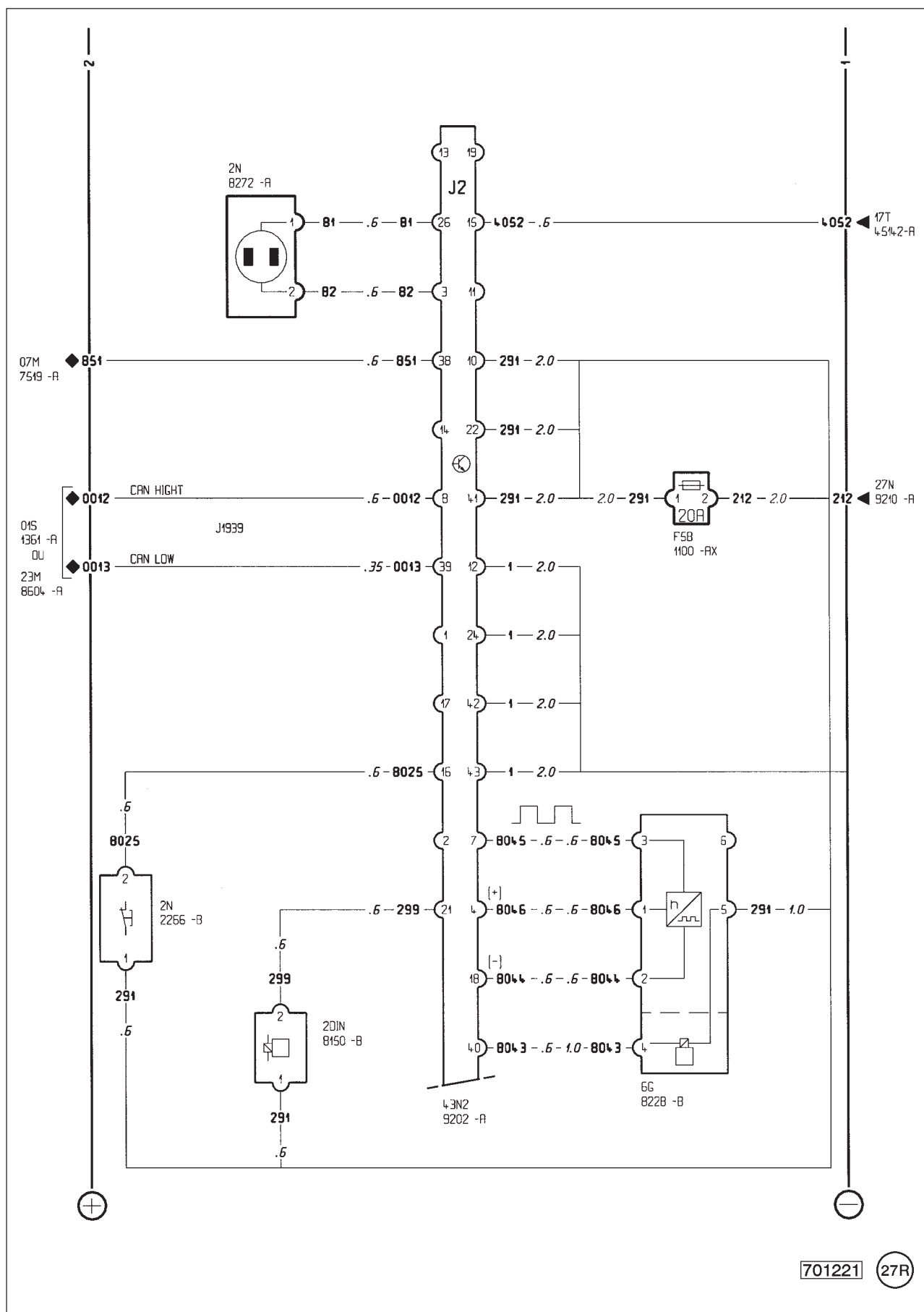




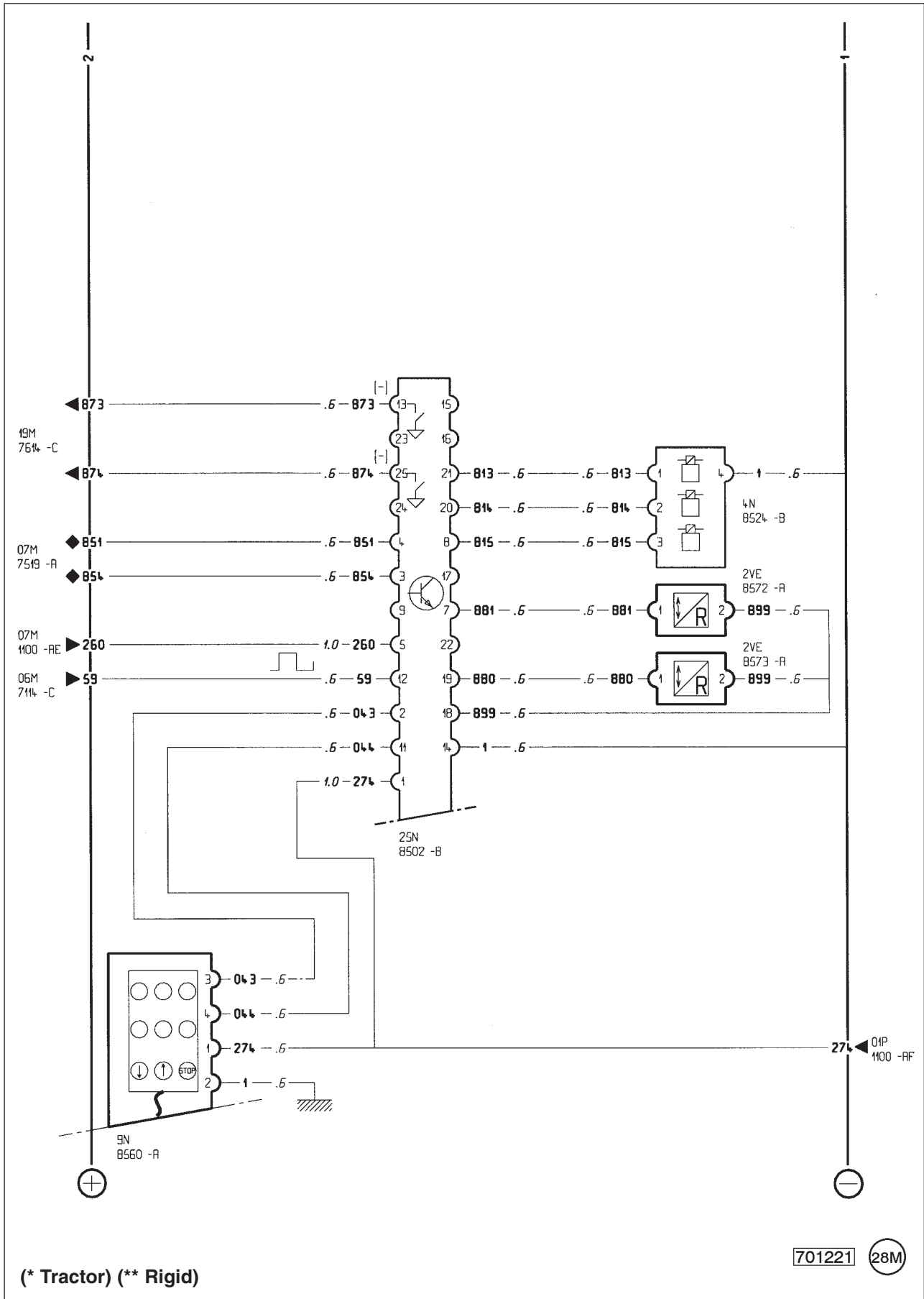




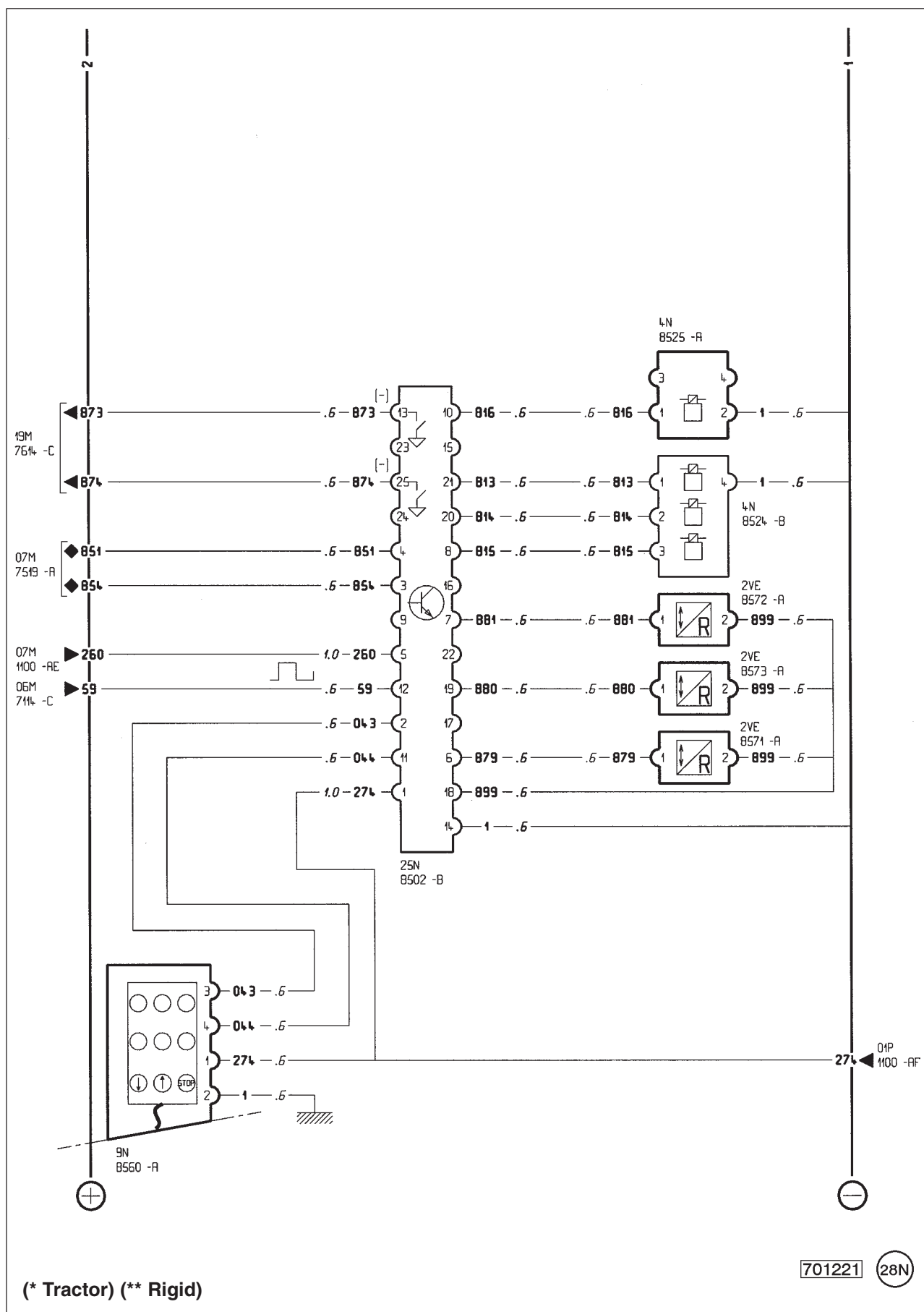
ENGINE MASTER ECU

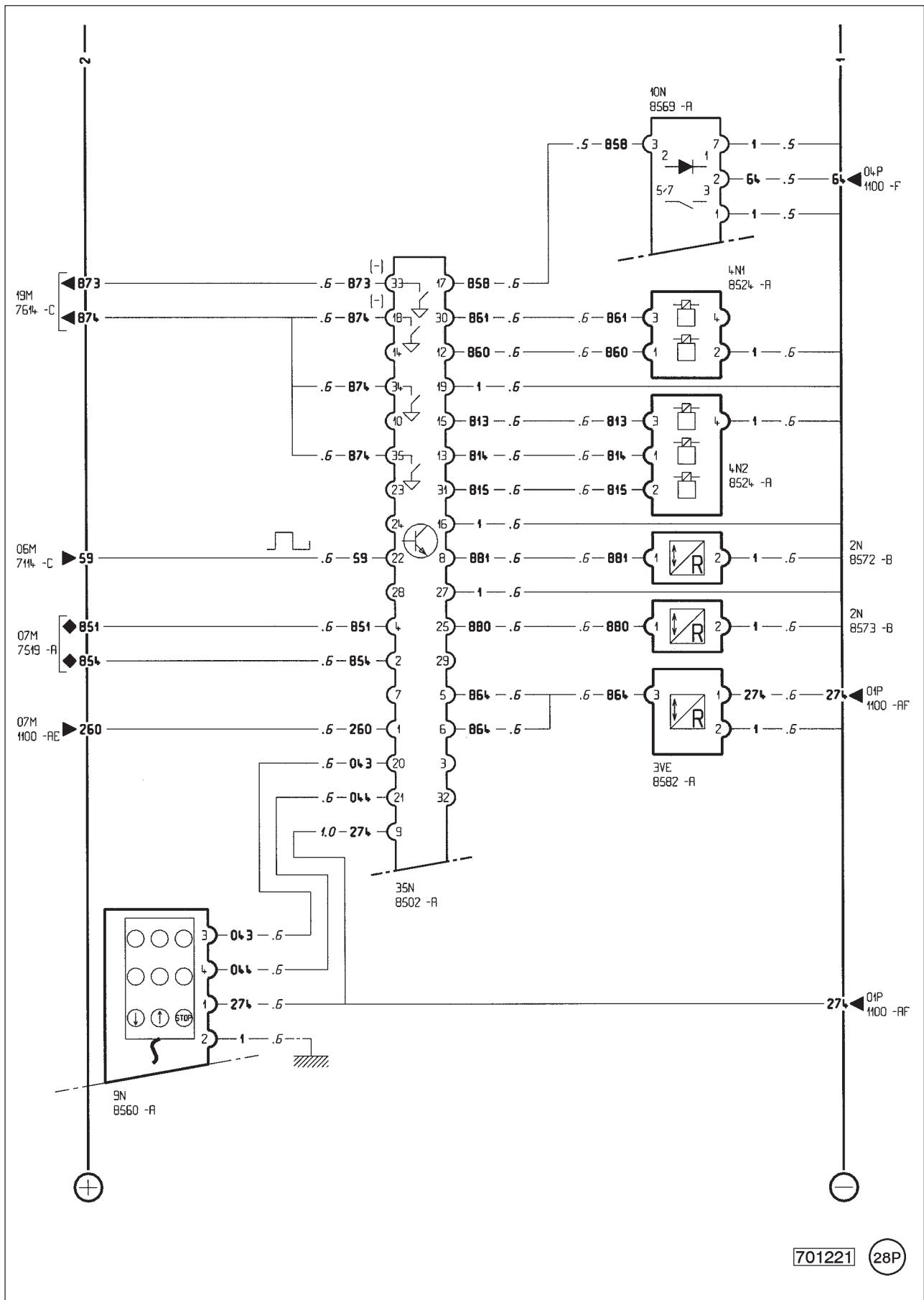


ENGINE MASTER ECU

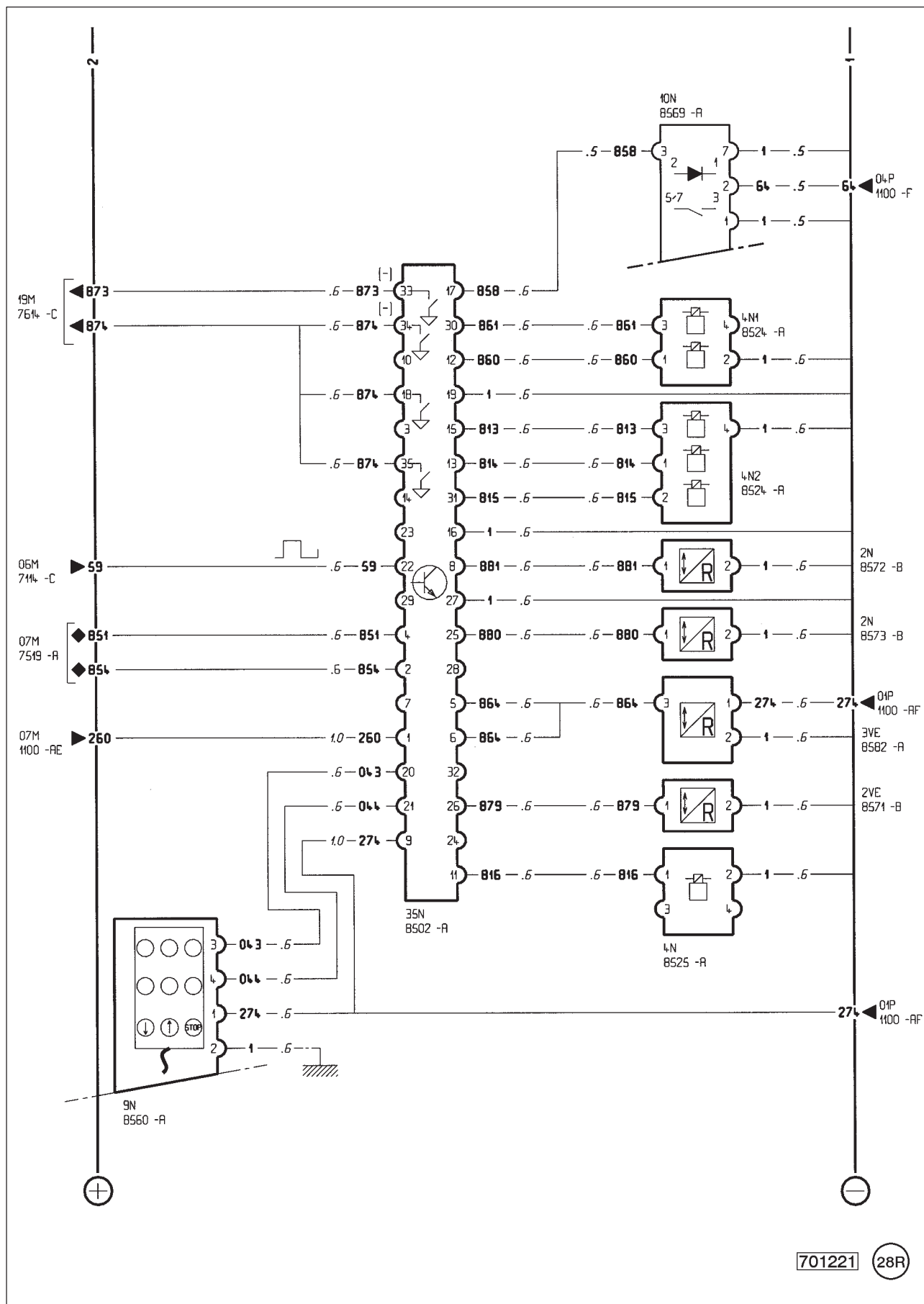


VEHICLE SUSPENSION (303 - 4x2 rear)

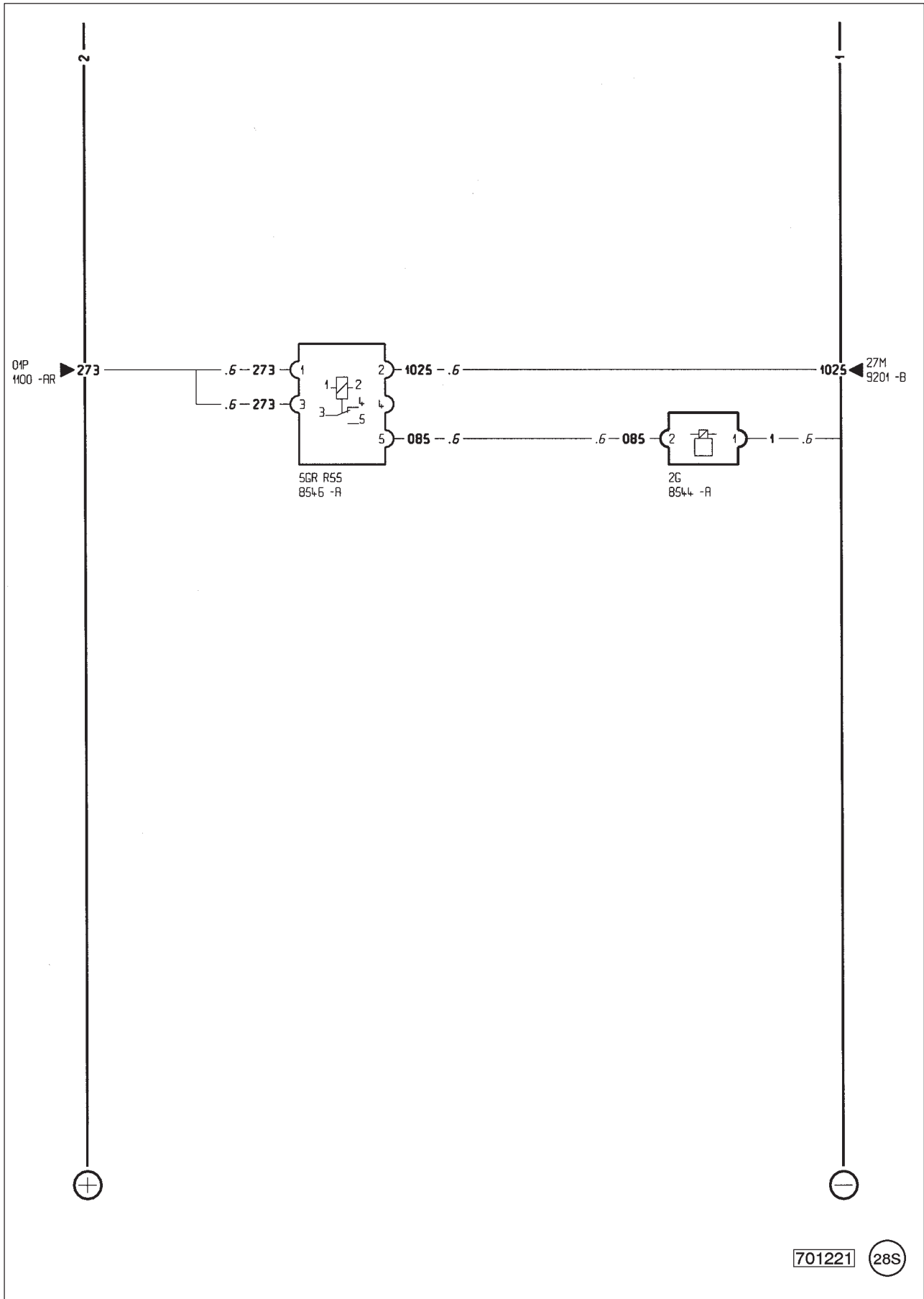




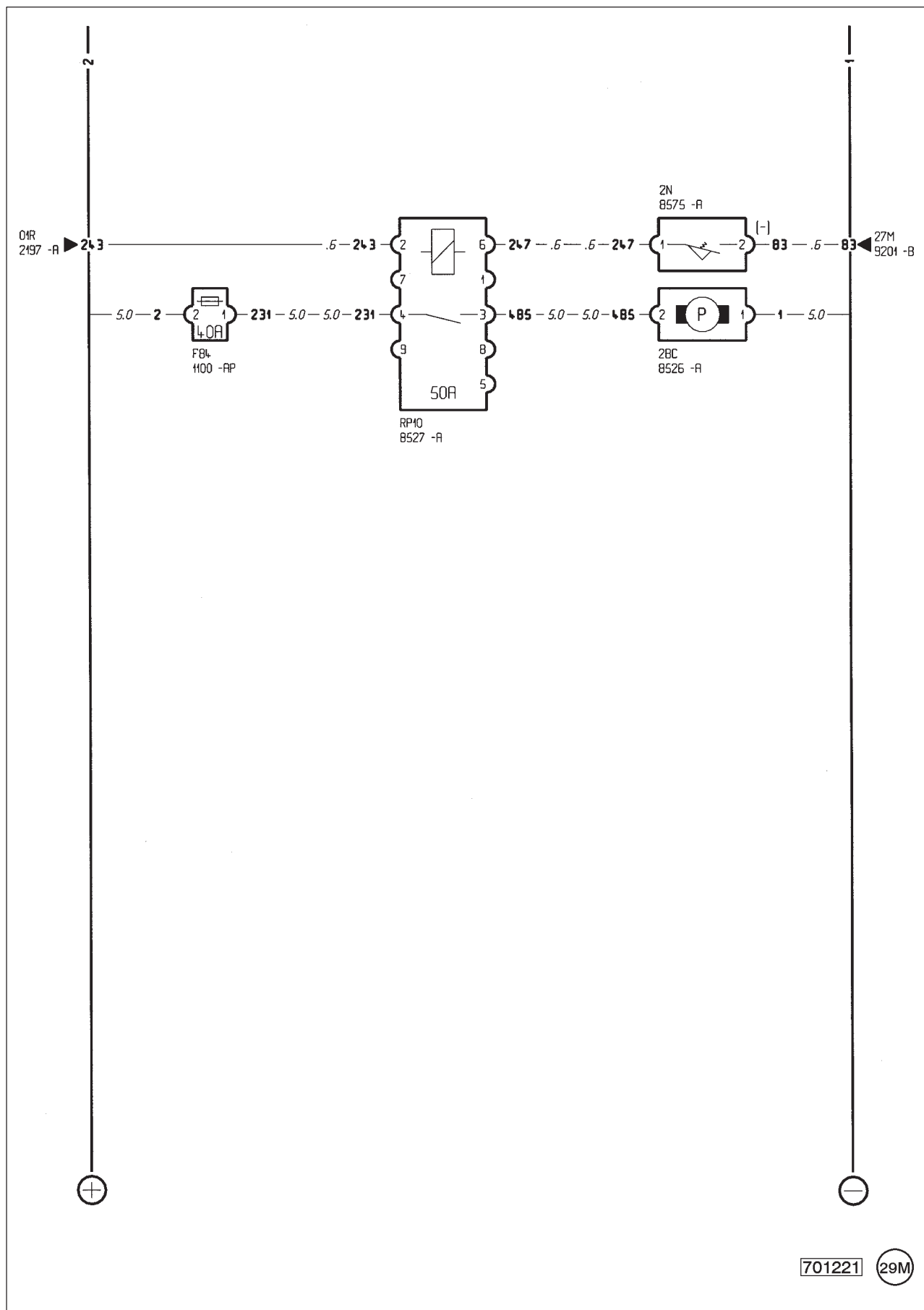
VEHICLE SUSPENSION (044 - 6x2 rear)



VEHICLE SUSPENSION (044 - 6x2 integral)



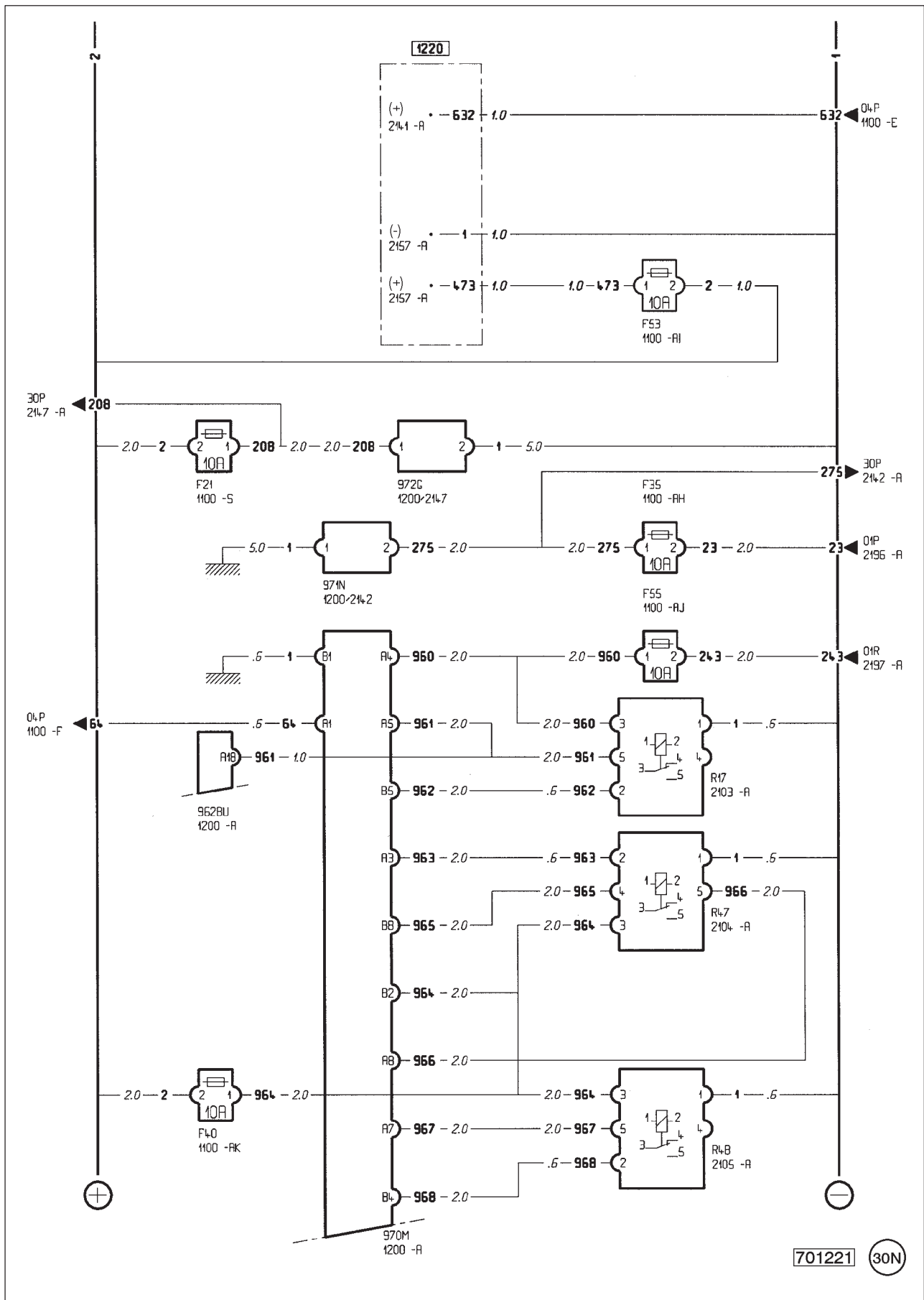
SELF-TRACKING AXLE



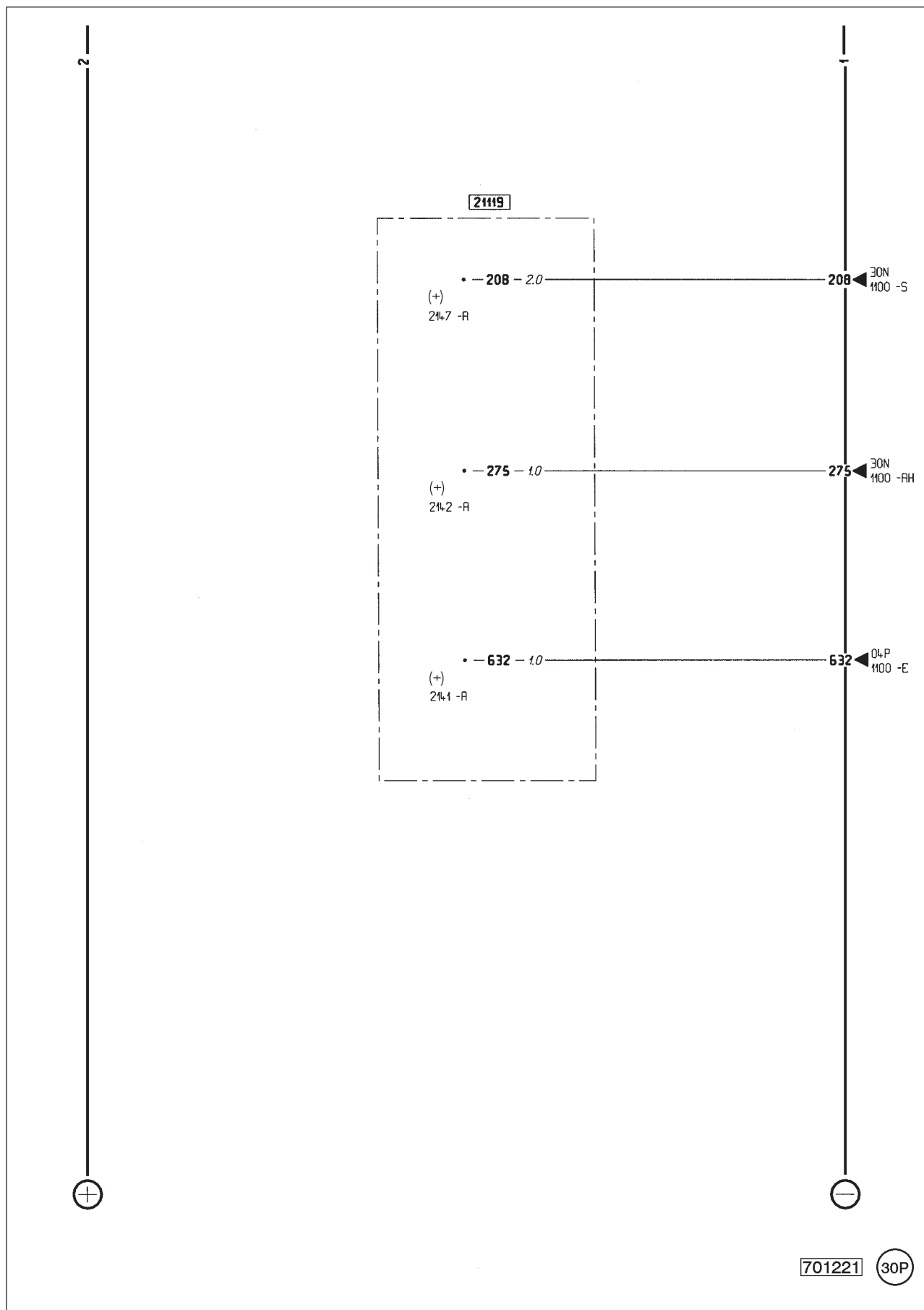
701221

(29M)

CAB TILT MECHANISM



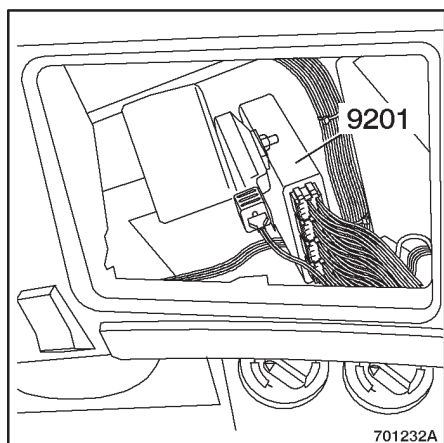
AVAILABLE POWER SUPPLIES



AVAILABLE POWER SUPPLIES

PINPOINTING OF ELECTRICAL APPLIANCES

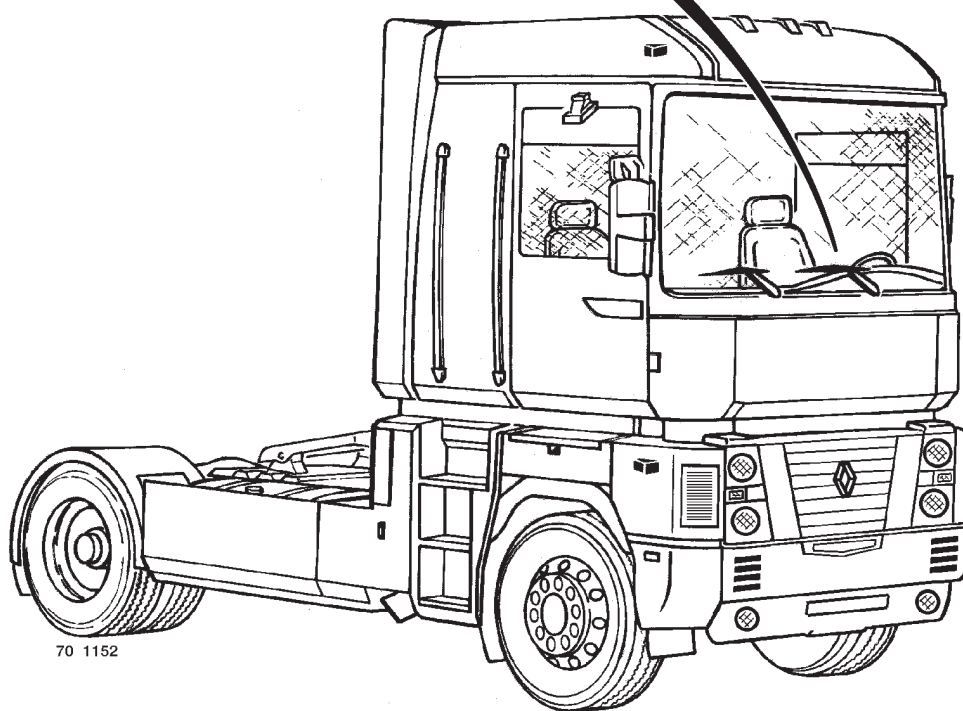
Vehicle electronic management
Fuel-injection electronic management
“ASTRONIC” automatic transmission
Electronic theft protection system
Electronic air suspension “4x2 – 6x2 – 6x4”
“EBS” equipment
Electric retarder
Hydraulic retarder
Independent heater “D1LCC/D3LCC”
Independent heater “THERMO 90S”
ADR equipment
Cab-mounted electronic boxes
Voltage dropper
Relays away from connection unit
Fuses away from connection unit
Trailer sockets



9268



9267



70 1152

70 1233

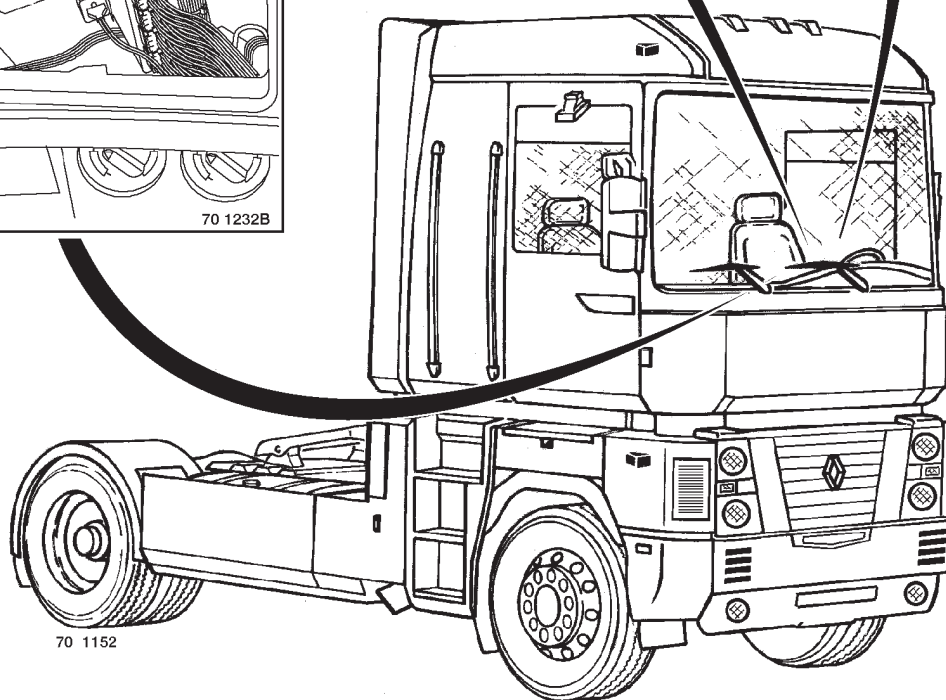
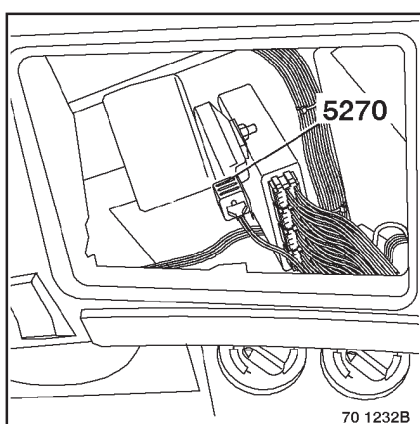
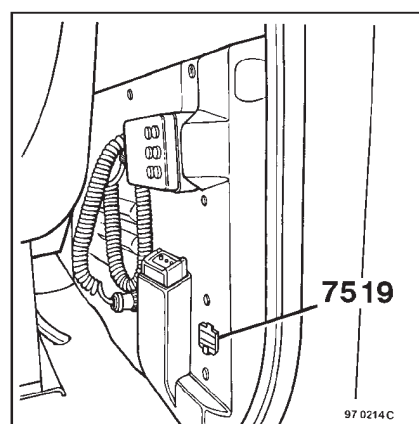
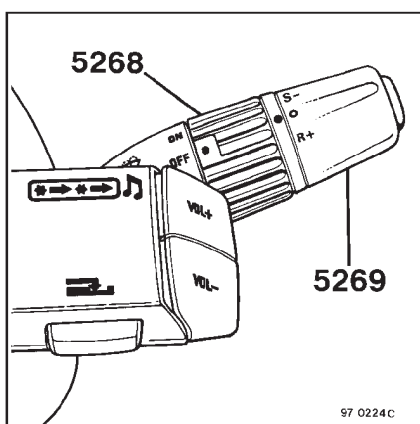
Vehicle electronic management

Layout of appliances in cab

Appliance

Plate

9201 – Vehicle master ECU (VECU)	27M/N
9267 – Vehicle major electronic defect warning lamp	–
9268 – Vehicle minor electronic defect warning lamp	–

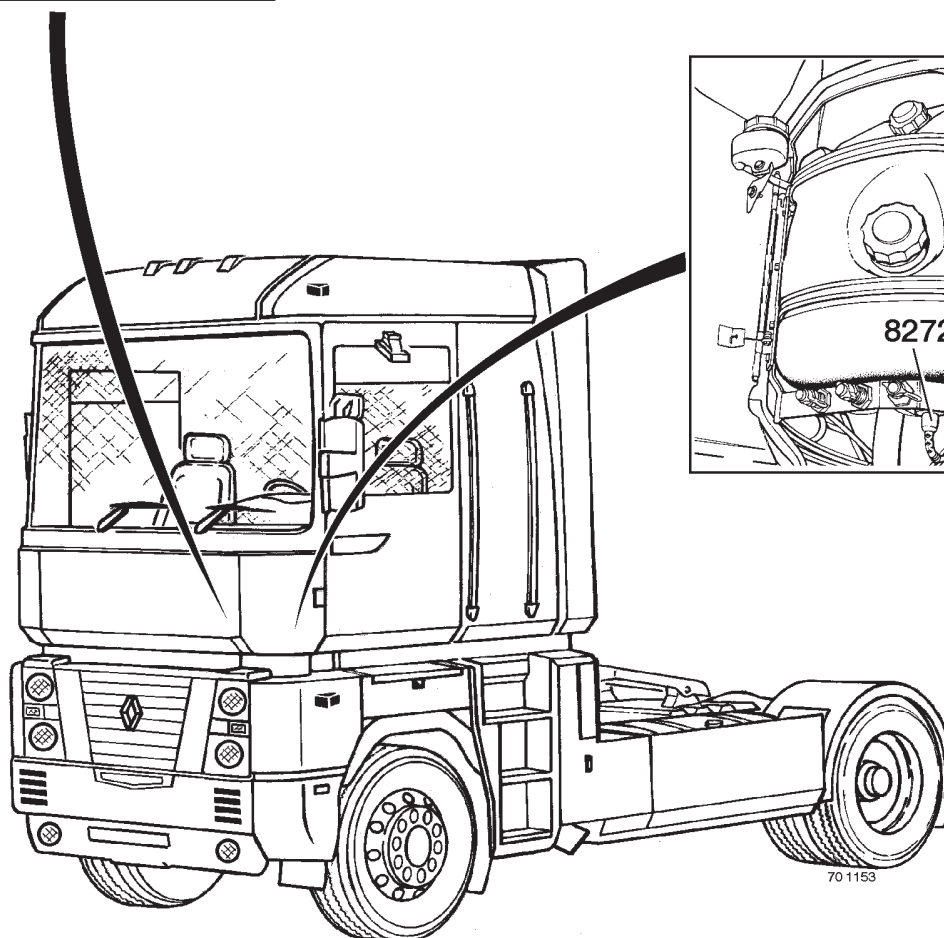
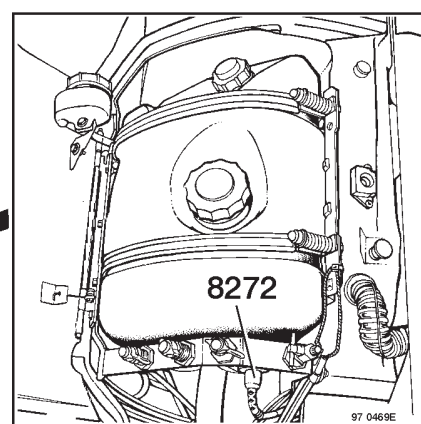
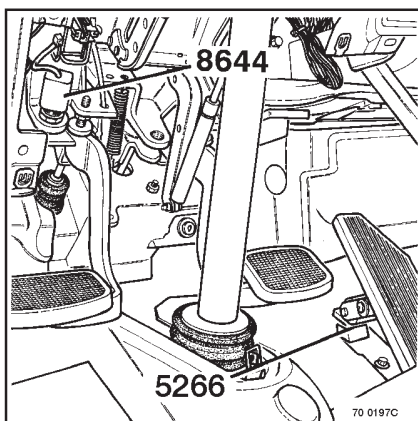


70 1234

Fuel-injection electronic management

Layout of appliances in cab

Appliance	Plate
5268 – Cruise control and engine speed control switch	–
5269 – Cruise control and engine speed adjustment control	–
5270 – Limited speed shunt for export	27N
7519 – Diagnostics socket	07M

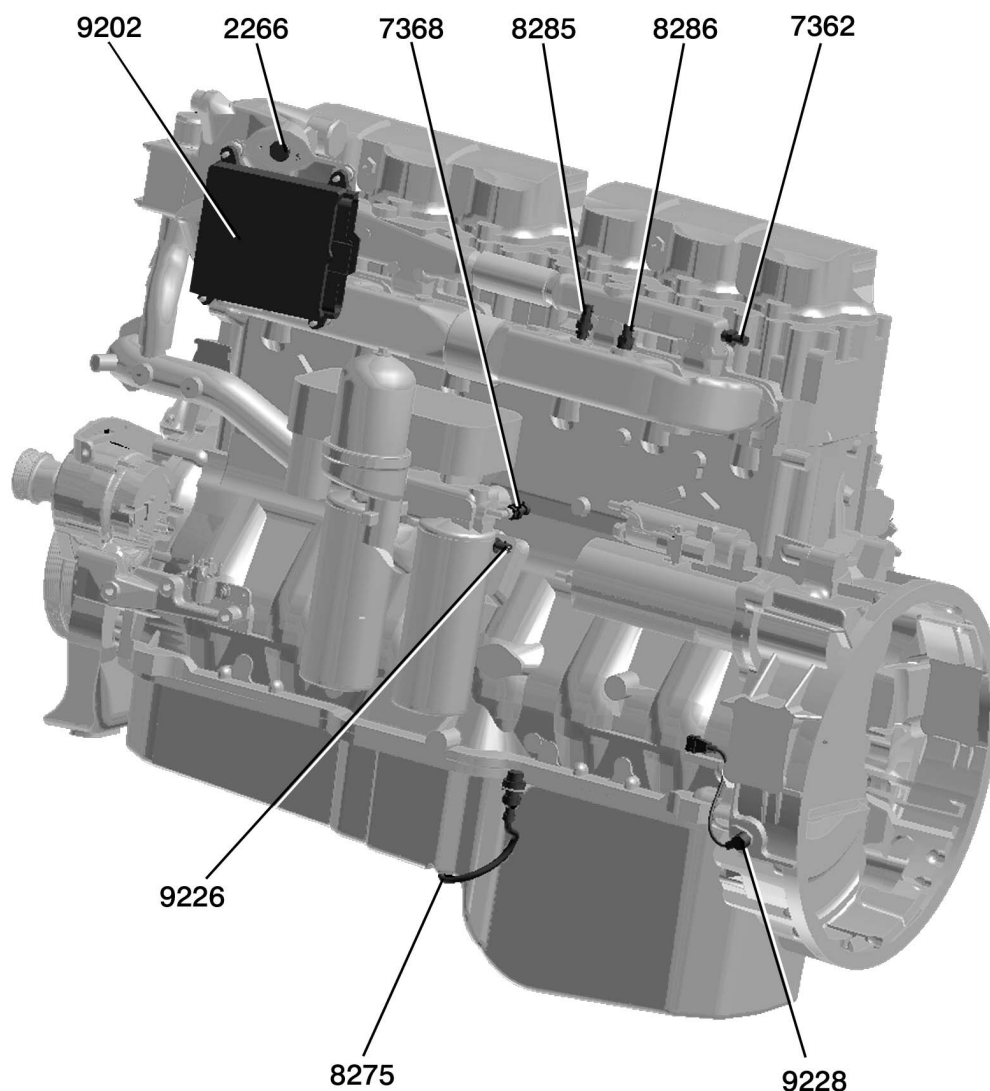


70 1238

Fuel-injection electronic management

Layout of appliances in cab

Appliance	Plate
5266 – Accelerator pedal position sensor	27M
8272 – Water level sensor	27R
8644 – Clutch switch	27M

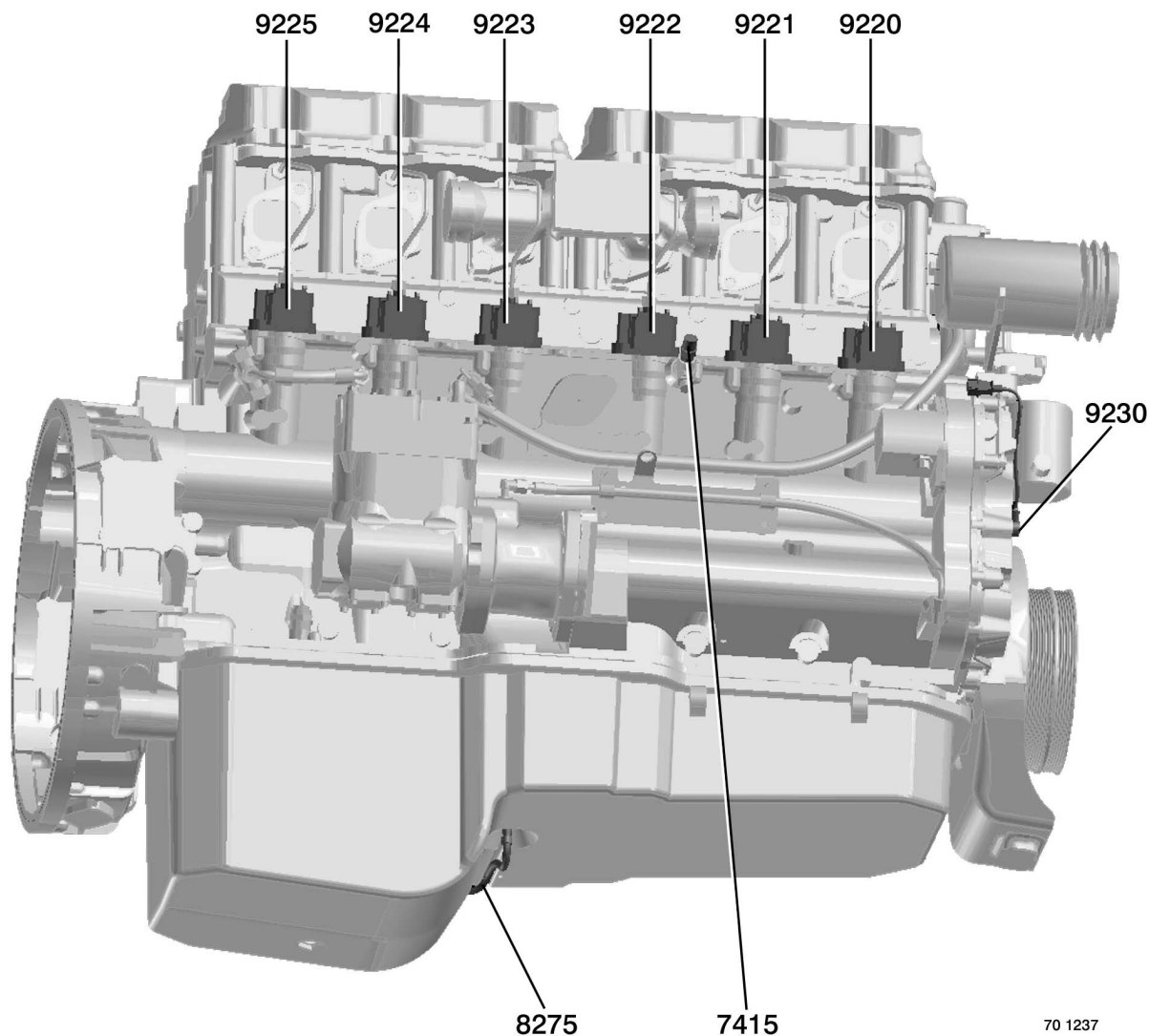


70 1236

Fuel-injection electronic management

Layout of appliances on engine "MIDR 06.24.65"

Appliance	Plate
2266 – Engine stop control (cab tilted)	27R
7362 – Coolant temperature sensor	27P
7368 – Oil pressure sensor	27P
8275 – Engine oil level sensor	27P
8285 – Turbo charge air pressure sensor	27P
8286 – Turbo charge air temperature sensor	27P
9202 – "EUP" engine master ECU (EECU)	27P/R
9226 – Engine oil temperature sensor	27P
9228 – Flywheel speed sensor	27P

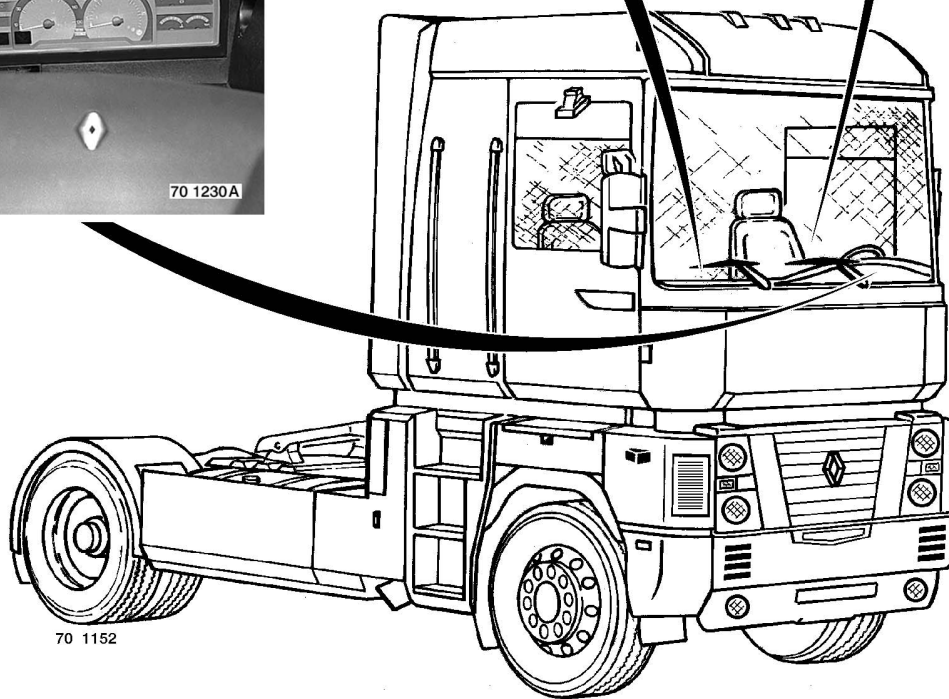
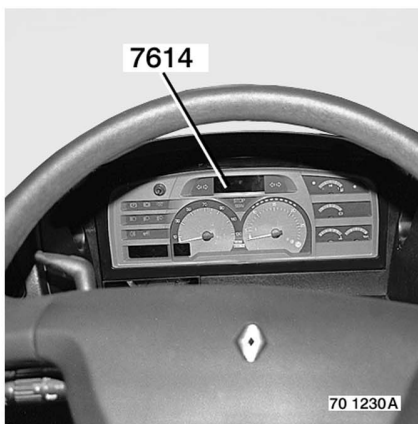
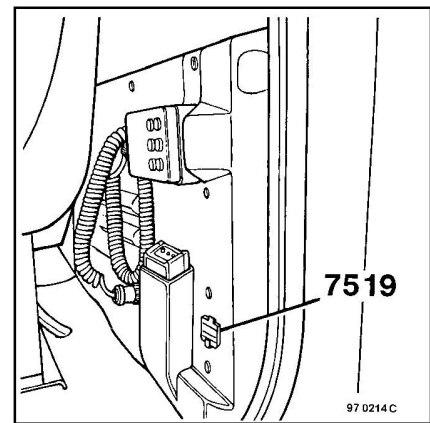
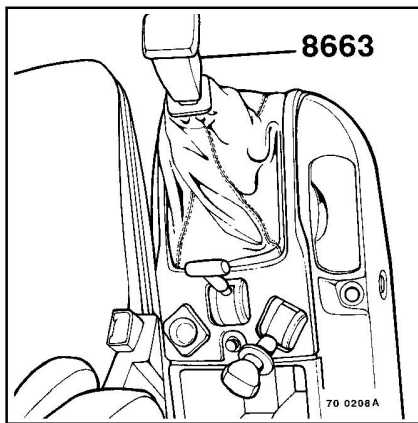


70 1237

Fuel-injection electronic management

Layout of appliances on engine "MIDR 06.24.65"

Appliance	Plate
7415 – Fuel temperature sensor	27P
8275 – Engine oil level sensor	27P
9220 – Unit pump N° 1 incorporating solenoid valve	27P
9221 – Unit pump N° 2 incorporating solenoid valve	27P
9222 – Unit pump N° 3 incorporating solenoid valve	27P
9223 – Unit pump N° 4 incorporating solenoid valve	27P
9224 – Unit pump N° 5 incorporating solenoid valve	27P
9225 – Unit pump N° 6 incorporating solenoid valve	27P
9230 – Camshaft speed sensor	27P



70 1231

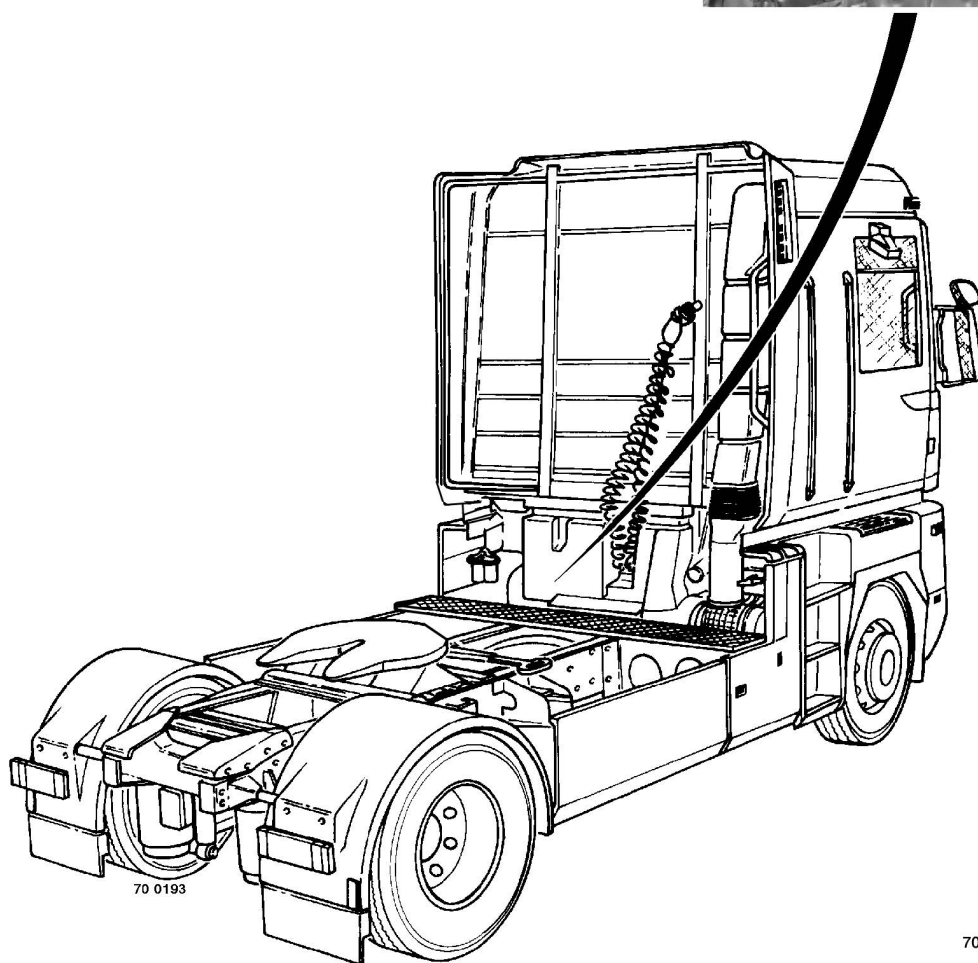
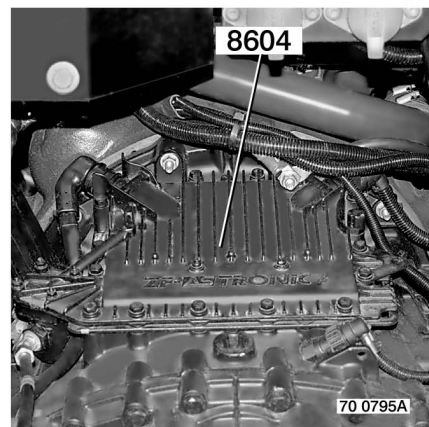
“ASTRONIC” automatic transmission

Layout of appliances in cab

Appliance

Plate

7519 – Diagnostics socket	07M
7614 – Principal display	19M/N
8663 – Gearbox control lever	23M



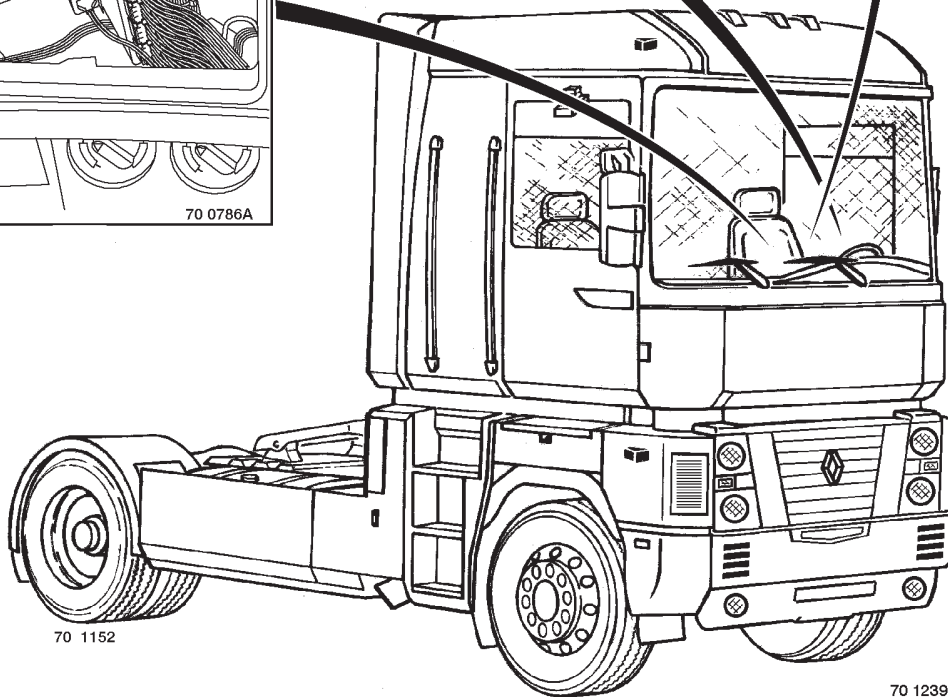
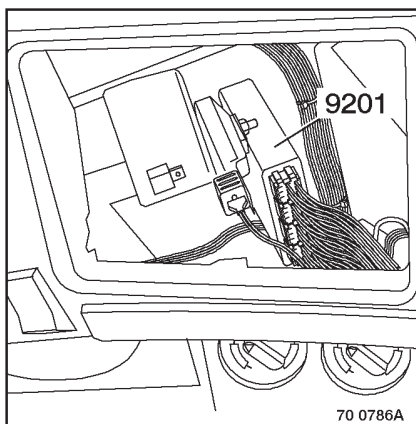
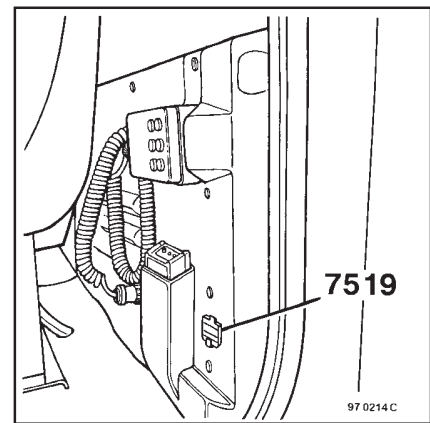
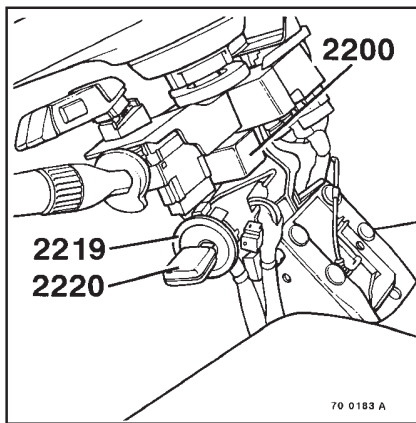
“ASTRONIC” automatic transmission

Layout of appliances on chassis

Appliance

Plate

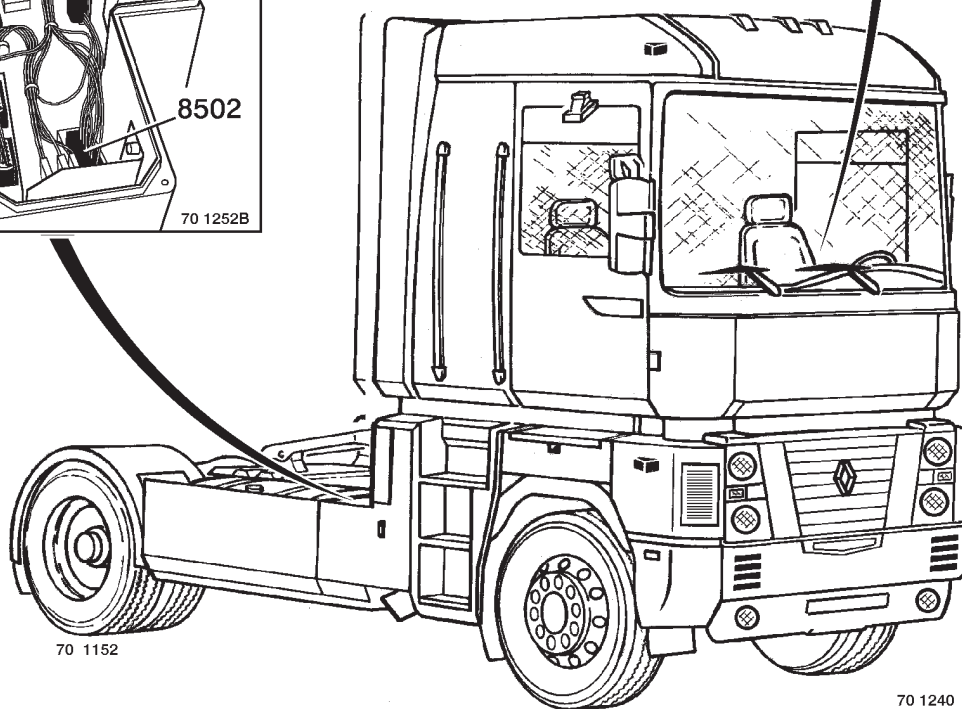
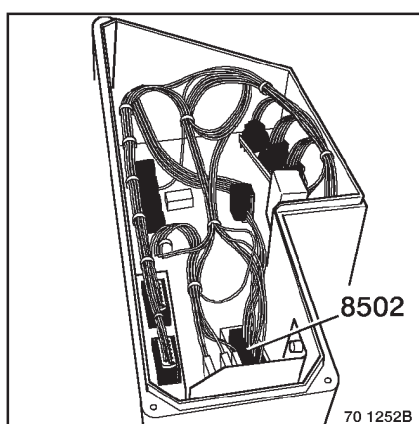
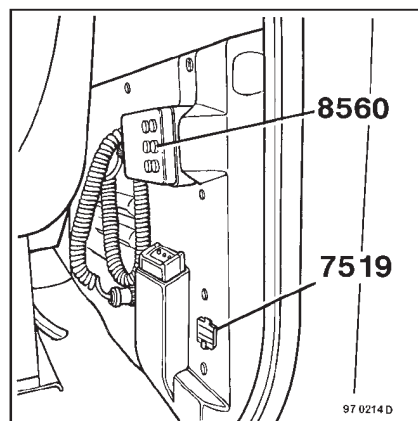
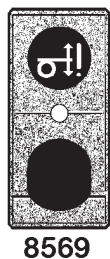
8604 – “ASTRONIC” ECU	23 M
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Electronic theft protection system

Layout of appliances in cab

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

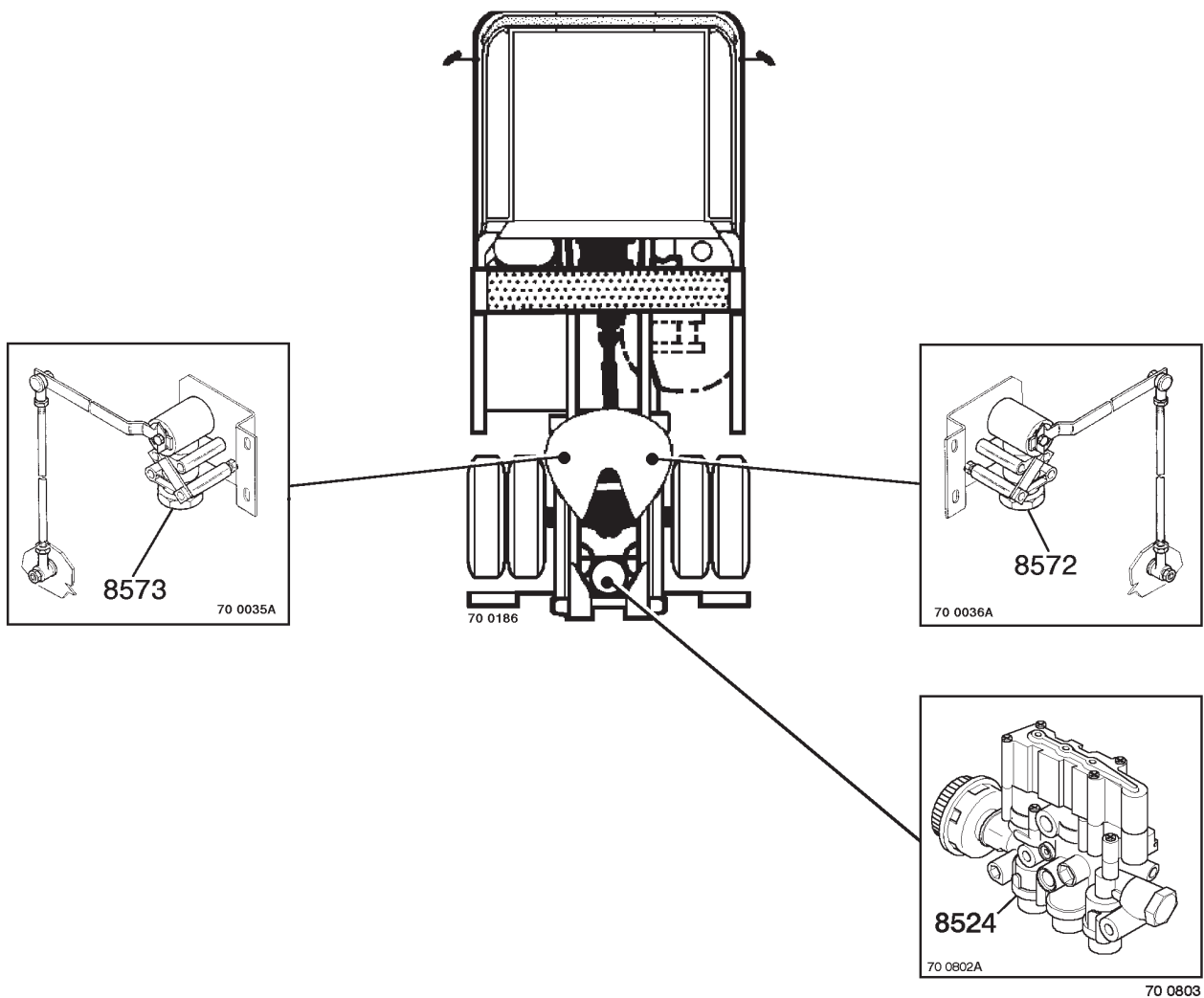


Electronic air suspension “4x2 – 6x2 – 6x4”

Appliance

Plate

7519 – Diagnostics socket	07M
8502 – Suspension ECU	28M/N/P/R
8522 – Suspension information warning lamp	19M
8523 – Suspension alert warning lamp	19M
8560 – Remote control box	28M/N/P/R
8569 – Lift-up axle load shedding control	28P/R



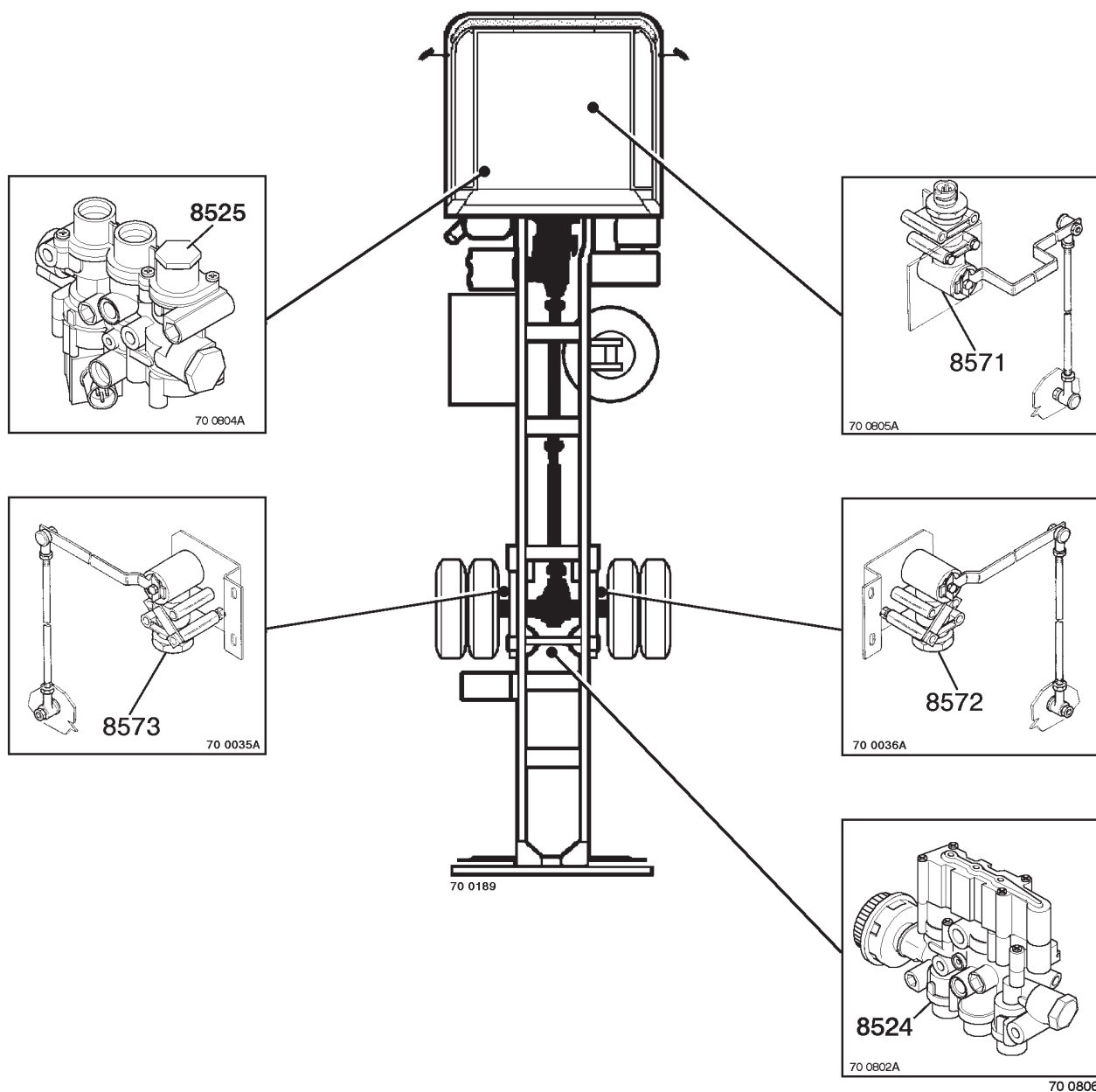
Electronic air suspension “4x2”

Layout of appliances on chassis

Appliance

Plate

8524 – Rear suspension electrovalve block	28M/N
8572 – Suspension level RH rear sensor	28M/N
8573 – Suspension level LH rear sensor	28M/N



70 0806

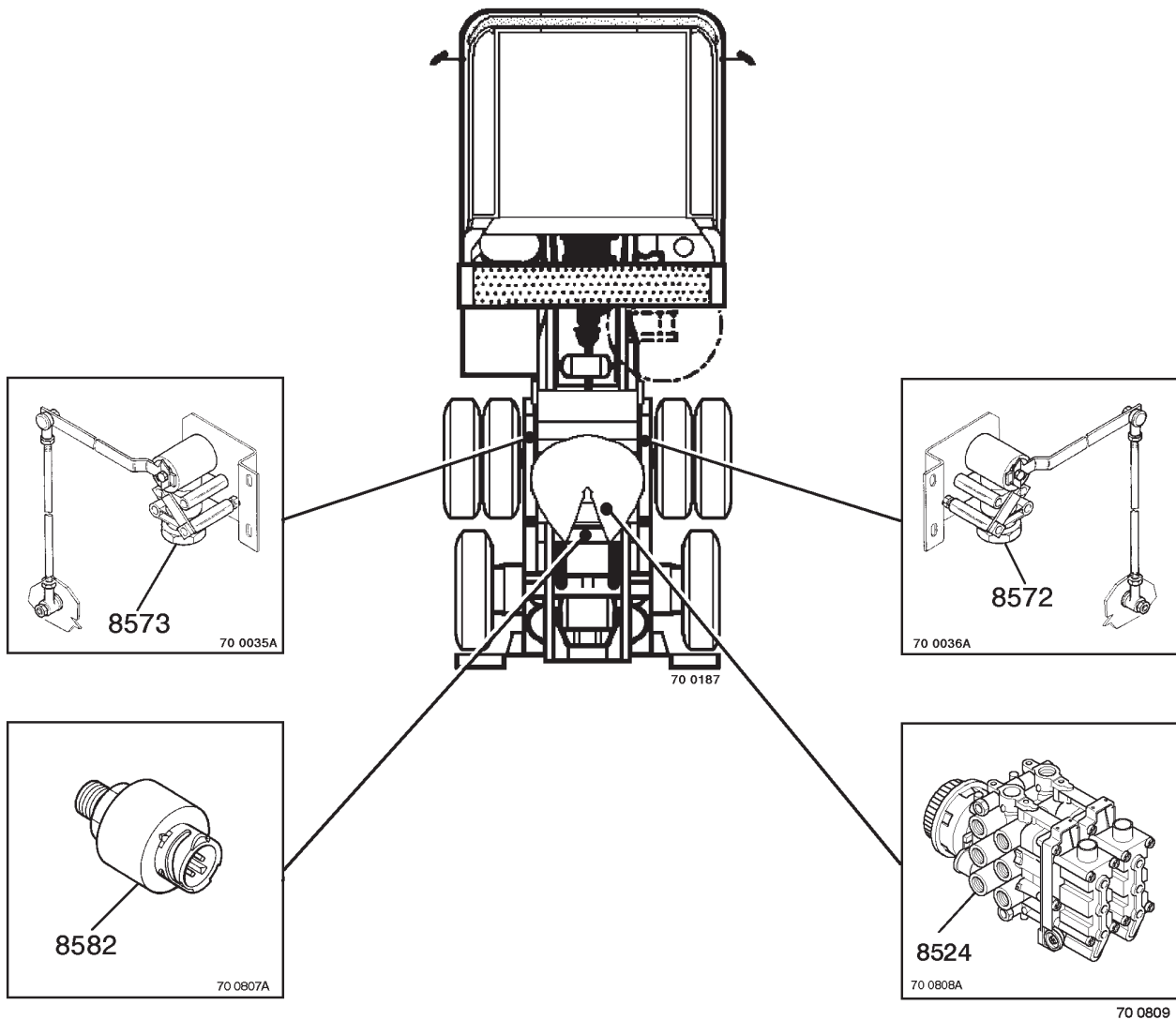
Electronic air suspension “4x2”

Layout of appliances on chassis

Appliance

Plate

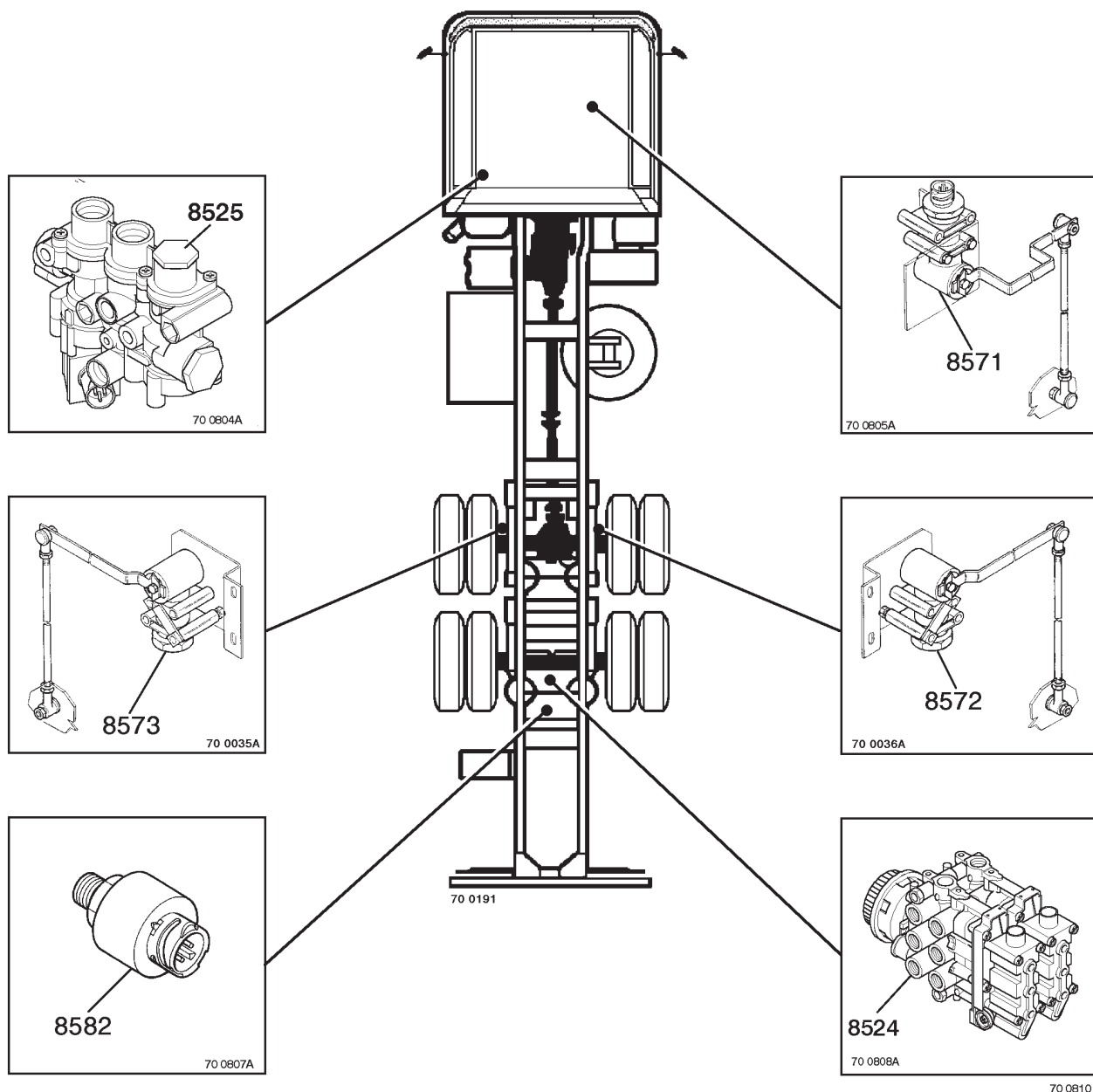
8524 – Rear suspension electrovalve block	28M/N
8525 – Front suspension electrovalve block	28R
8571 – Front suspension level sensor	28P/R
8572 – Suspension level RH rear sensor	28M/N
8573 – Suspension level LH rear sensor	28M/N



Electronic air suspension "6x2"

Layout of appliances on chassis

Appliance	Plate
8524 – Rear suspension electrovalve block	28P/R
8572 – Suspension level RH rear sensor	28P/R
8573 – Suspension level LH rear sensor	28P/R
8582 – Rear axle air springs pressure sensor	28R



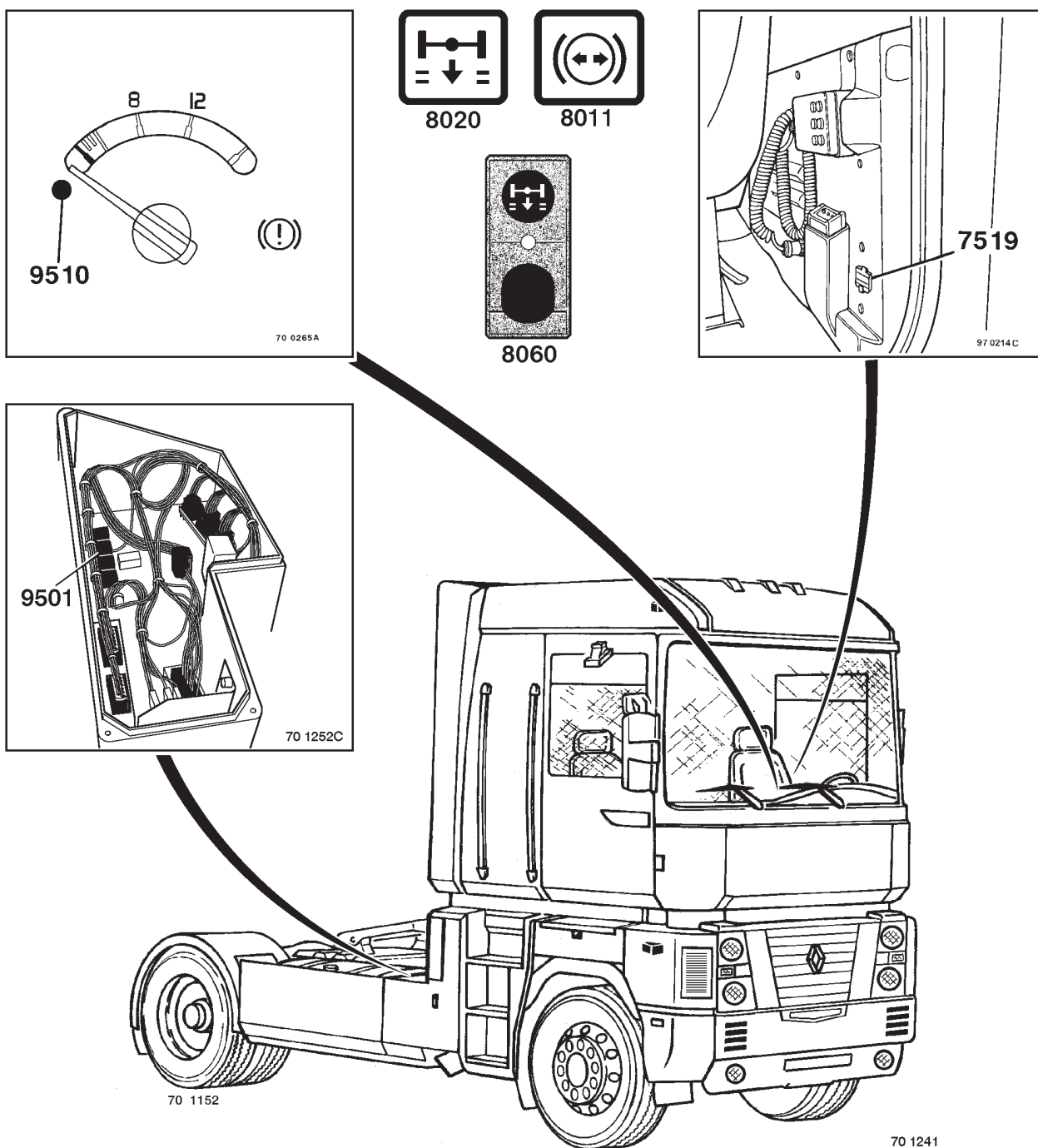
Electronic air suspension “6x2”

Layout of appliances on chassis

Appliance

Plate

8524 – Rear suspension electrovalve block	28P/R
8525 – Front suspension electrovalve block	28R
8571 – Front suspension level sensor	28P/R
8572 – Suspension level RH rear sensor	28P/R
8573 – Suspension level LH rear sensor	28P/R
8582 – Rear axle air springs pressure sensor	28R

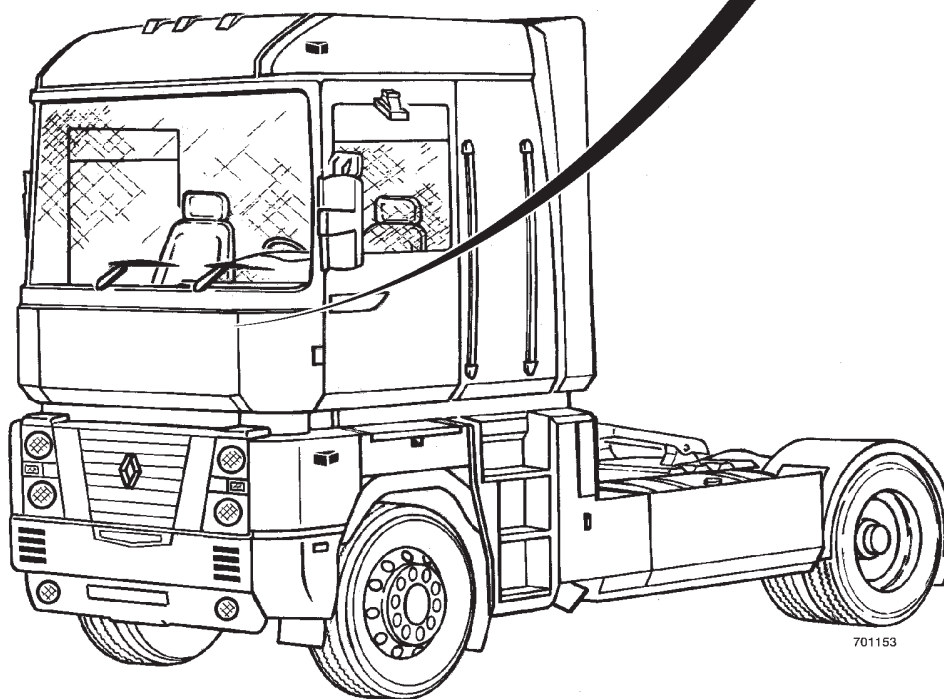
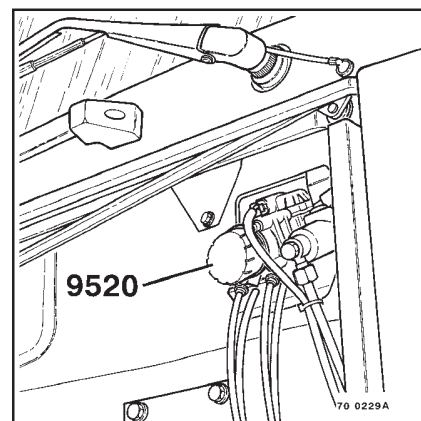


“EBS” equipment

Appliance

Plate

7519 – Diagnostics socket	07M
8011 – ABS safety warning lamp	—
8020 – Roadwheels slipping or ASR in operation warning lamp	—
8060 – ASR off-road control	20M
9501 – “EBS” ECU	20M
9510 – Road train braking “Alert” warning lamp	19M



70 1242

“EBS” equipment

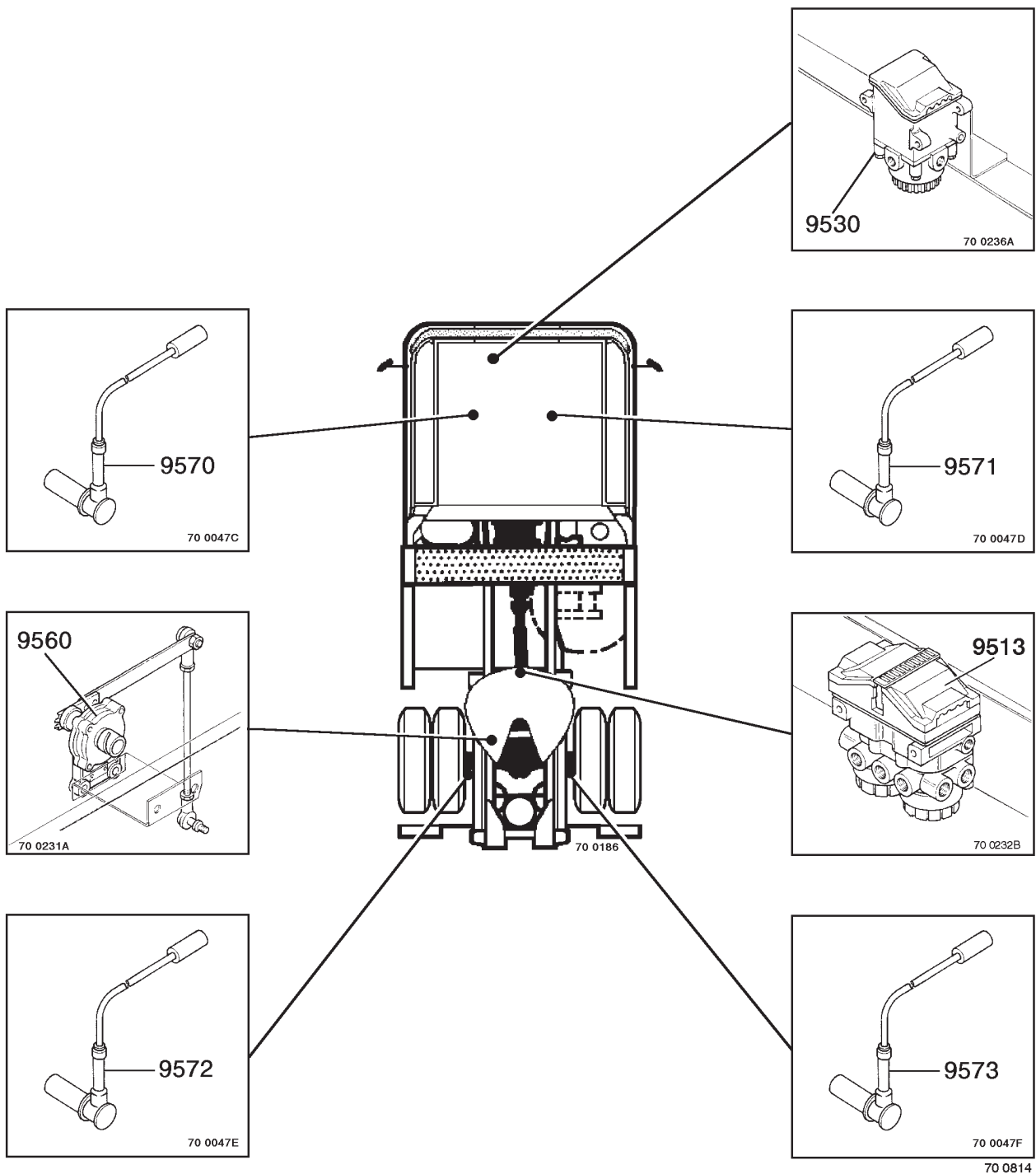
Layout of appliances in cab

Appliance

9520 – Brake valve

Plate

20N

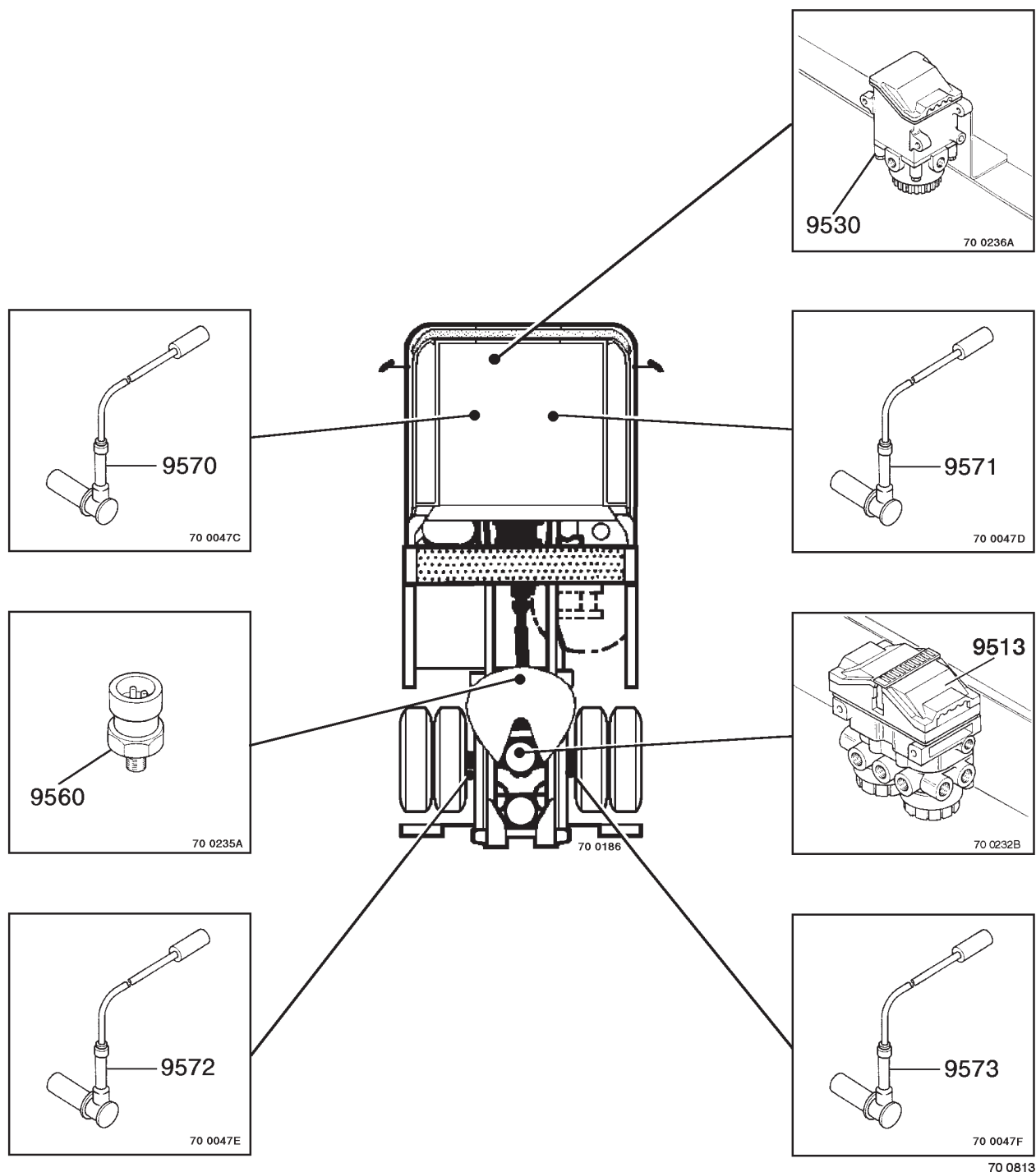


“EBS” equipment

Mechanical suspension

Layout of appliances on chassis

Appliance	Plate
9513 – “EBS” drive axle rear module	20N
9530 – “EBS” Front module	20N
9560 – “EBS” rear axle air springs pressure sensor	20N
9570 – LH front roadwheel speed sensor	20N
9571 – RH front roadwheel speed sensor	20N
9572 – LH rear roadwheel speed sensor	20N
9573 – RH rear roadwheel speed sensor	20N



70 0813

"EBS" equipment

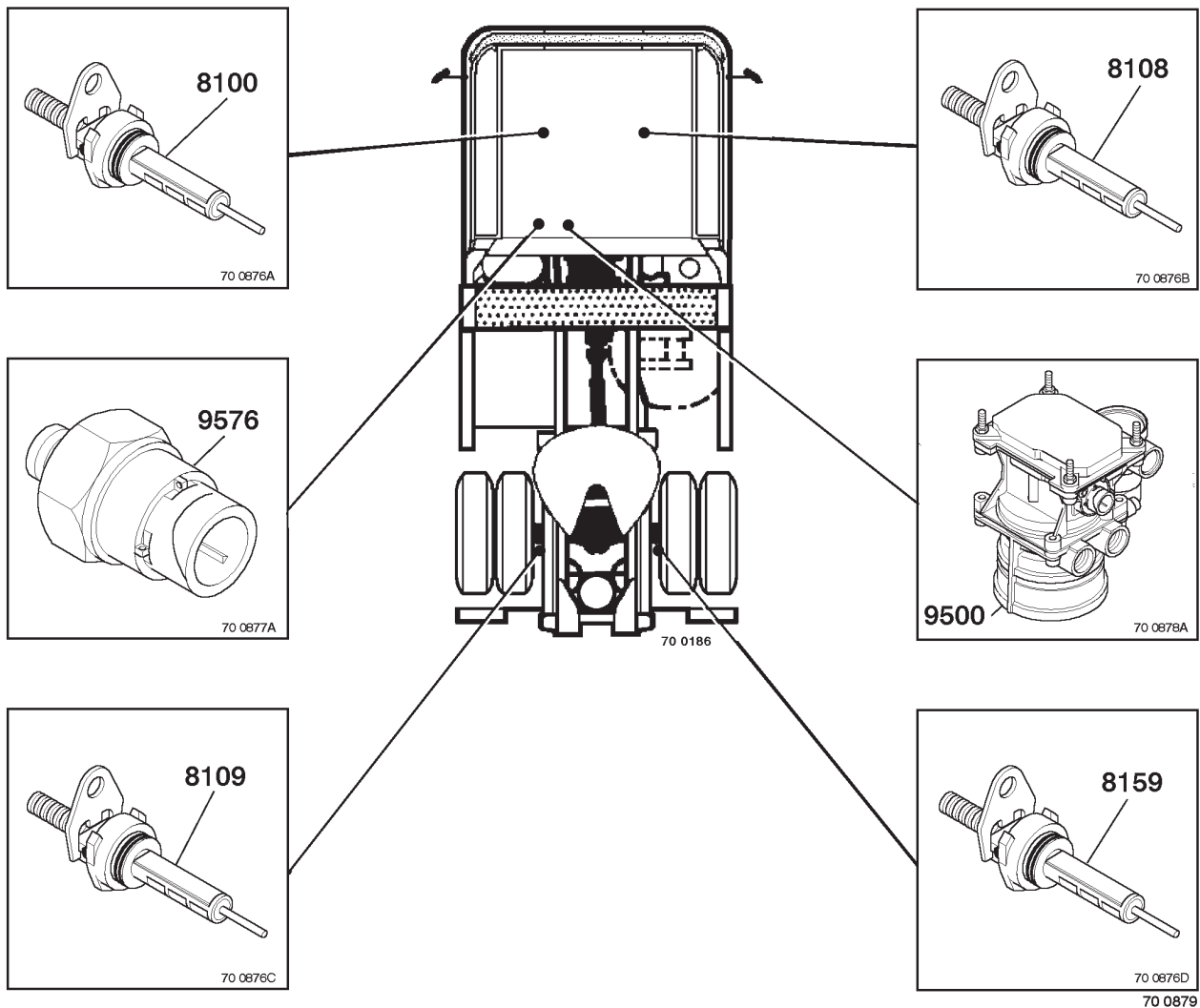
Electronic air suspension

Layout of appliances on chassis

Appliance

Plate

9513 – "EBS" drive axle rear module	20N
9530 – "EBS" Front module	20N
9560 – "EBS" rear axle air springs pressure sensor	20N
9570 – LH front roadwheel speed sensor	20N
9571 – RH front roadwheel speed sensor	20N
9572 – LH rear roadwheel speed sensor	20N
9573 – RH rear roadwheel speed sensor	20N

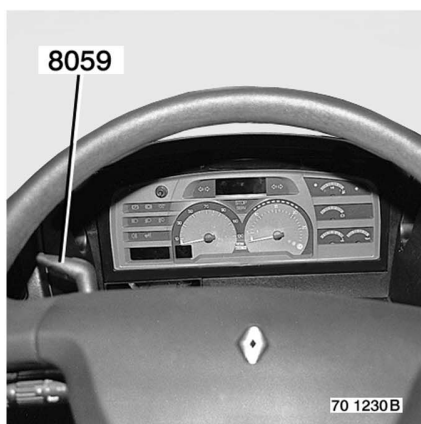


“EBS” equipment

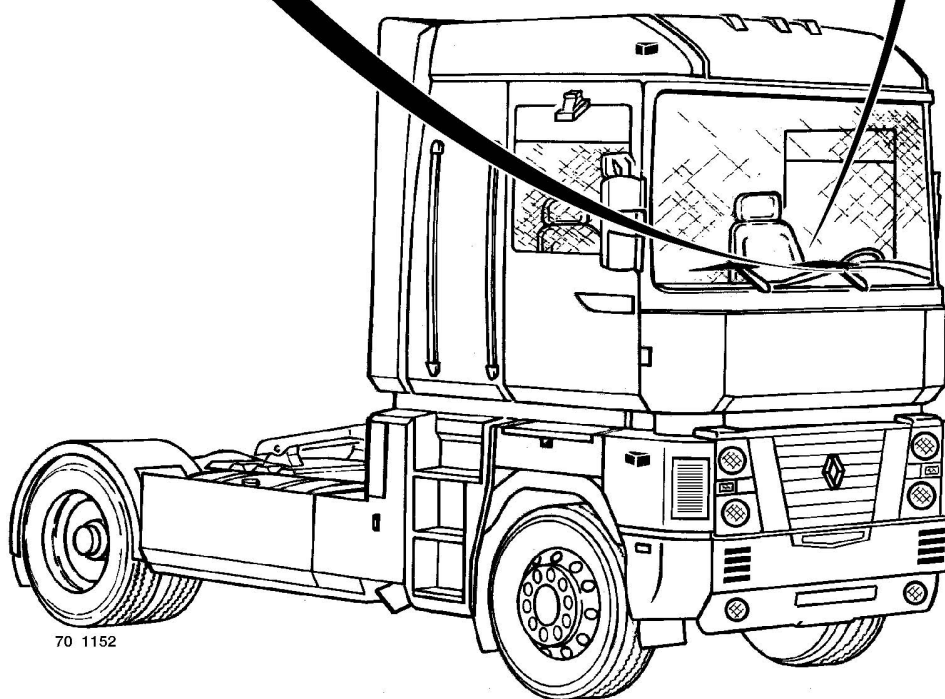
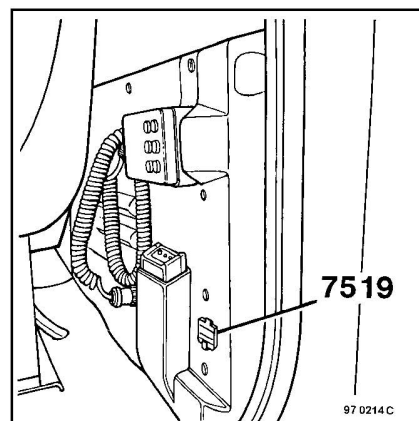
Electronic air suspension

Layout of appliances on chassis

Appliance	Plate
8100 – LH front brake pad wear sensor	20N
8108 – RH front brake pad wear sensor	20N
8109 – LH rear brake pad wear sensor	20N
8159 – RH rear brake pad wear sensor	20N
9500 – “EBS” trailer module	20N
9576 – Parking pressure switch (air supply trip-off)	20M



8035



70 1152

70 1217

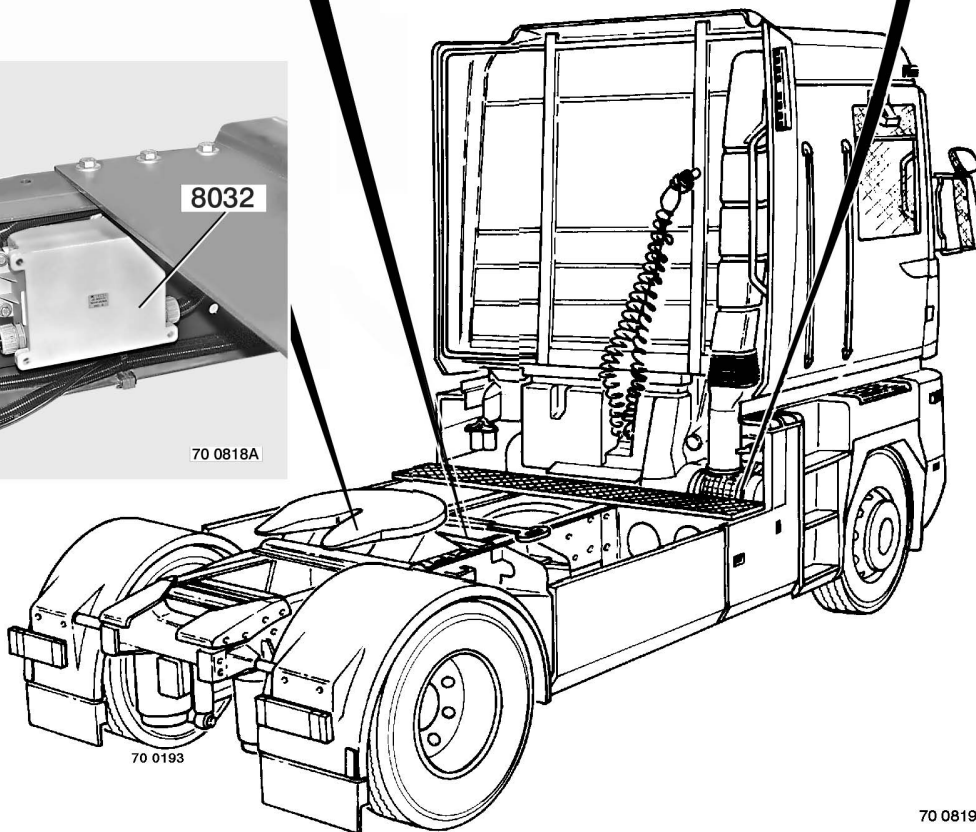
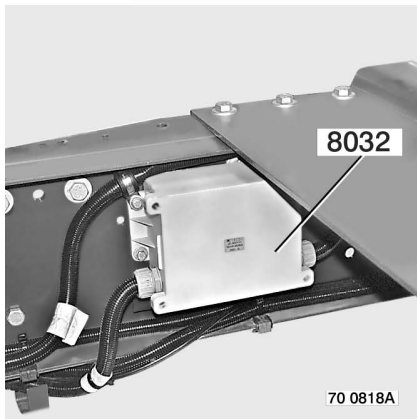
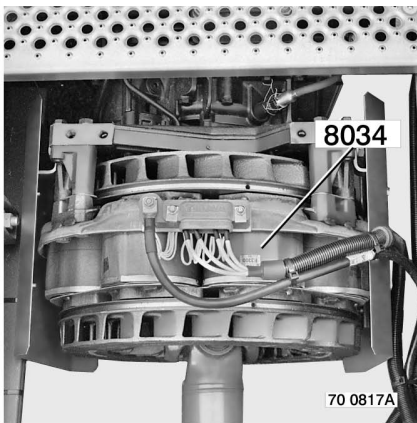
Retarders

Layout of appliances in cab

Appliance

Plate

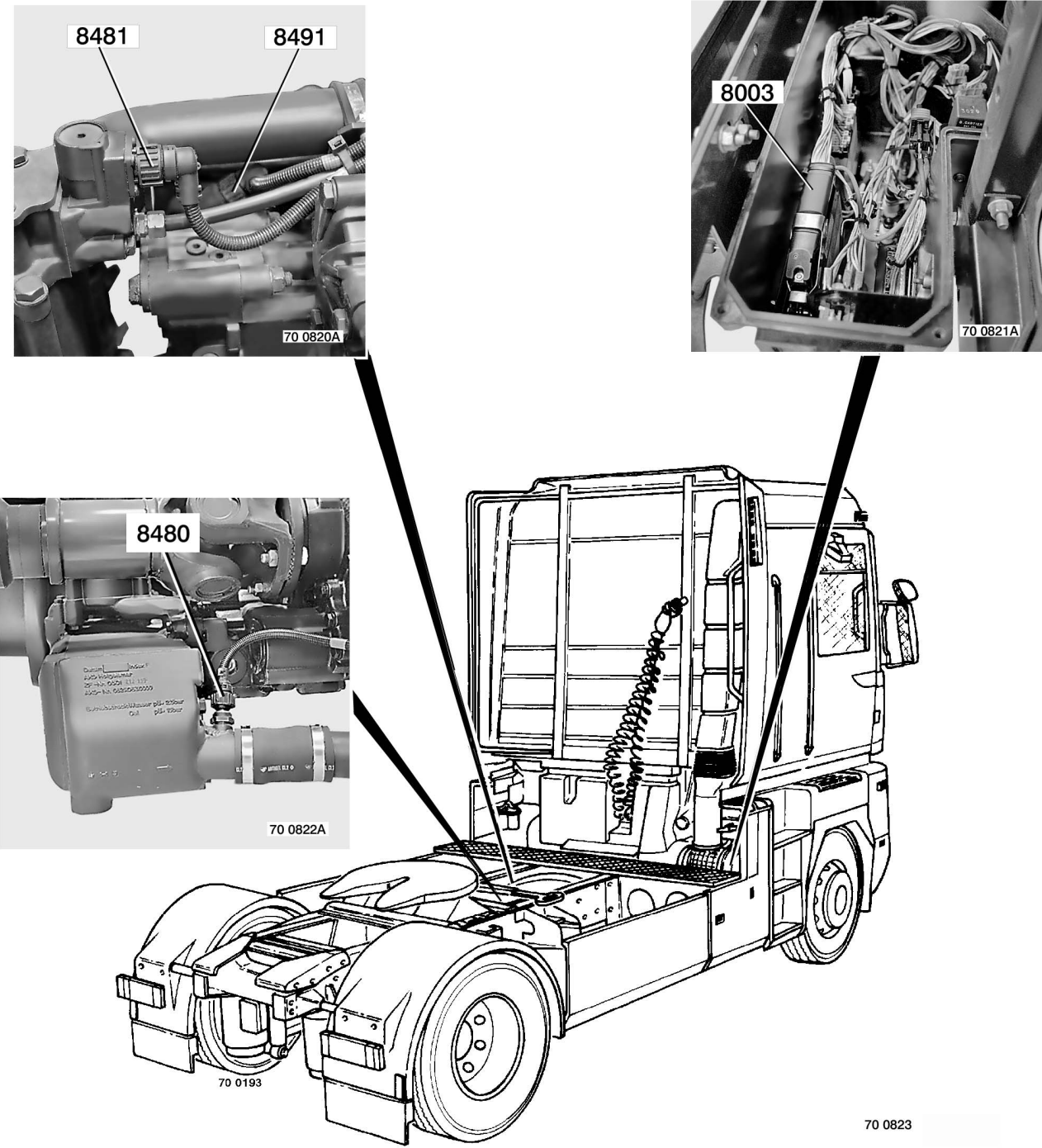
7519 – Diagnostics socket	07M
8035 – Electric or hydraulic retarder warning lamp	–
8059 – Electric or hydraulic retardation control	16M/N/P



Electric retarder

Layout of appliances on chassis

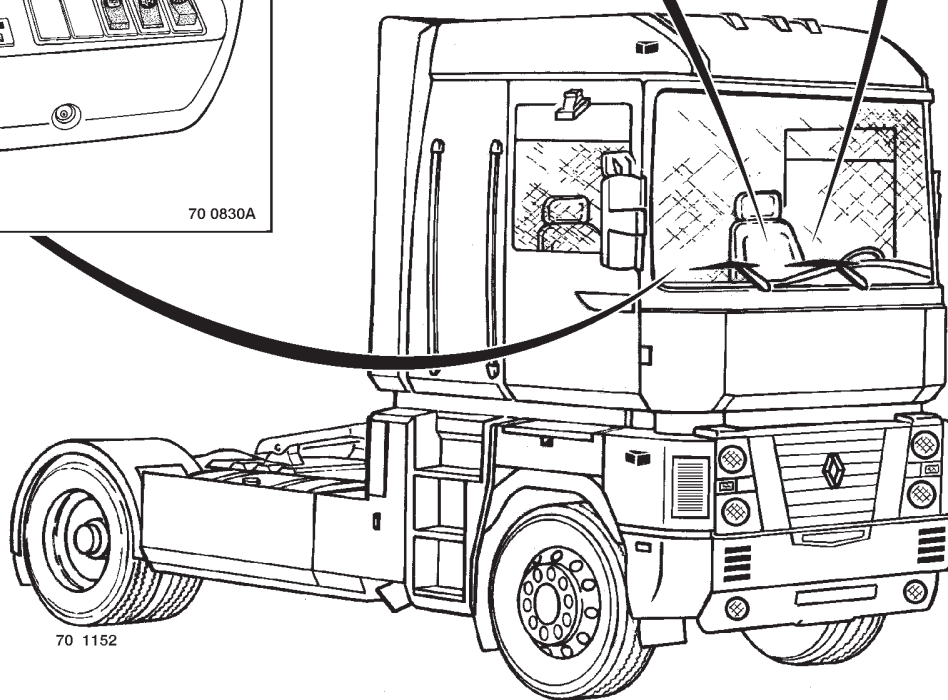
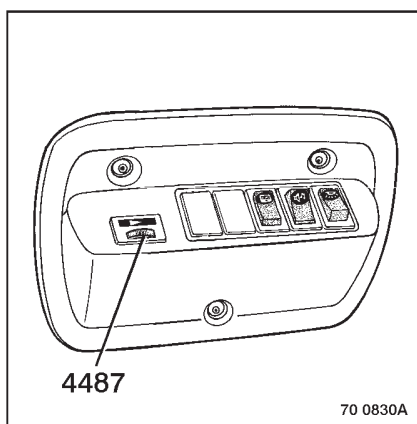
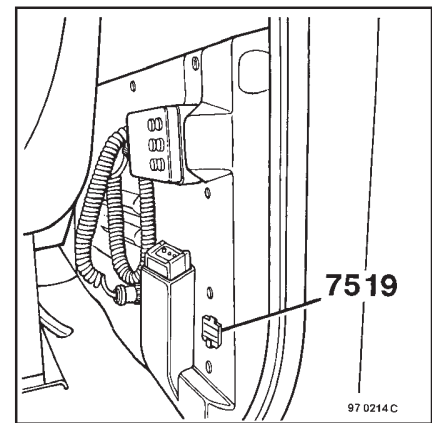
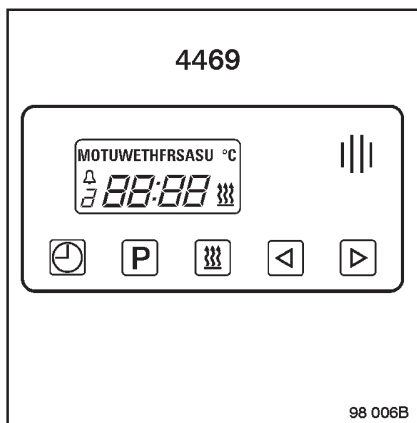
Appliance	Plate
8004 – Electric retarder ECU	16P
8032 – Electric retarder relay box	16P
8034 – Electric retarder	16P



Hydraulic retarder

Layout of appliances on chassis

Appliance	Plate
8003 – Hydraulic retarder ECU	16N
8480 – Hydraulic retarder cooling system temperature sensor	16N
8481 – Air tank electrovalve	16N
8491 – Hydraulic retarder proportional opening solenoid valve	16N

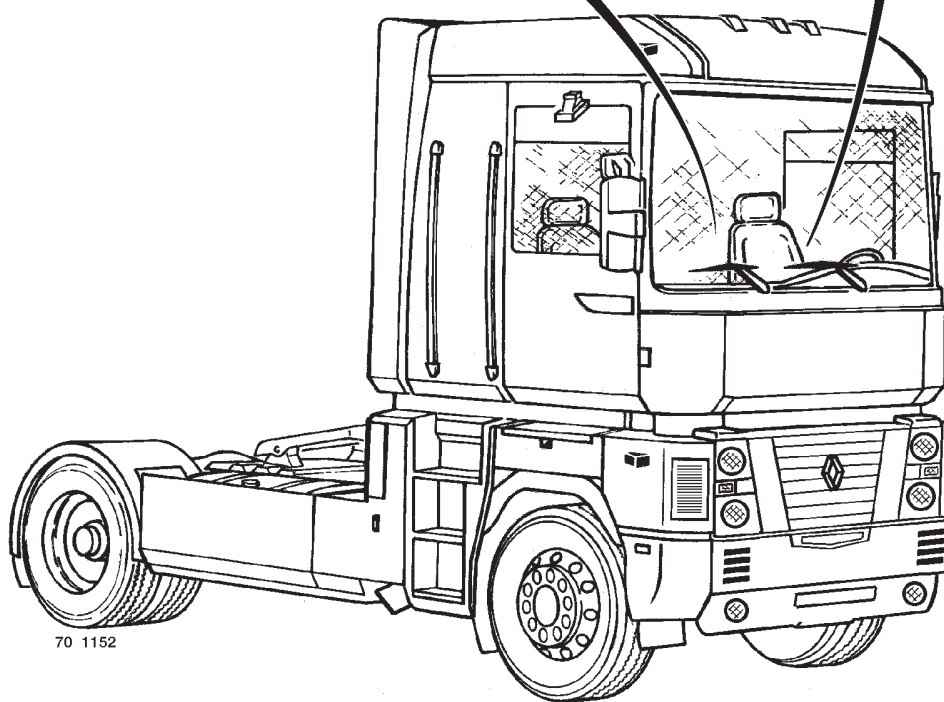
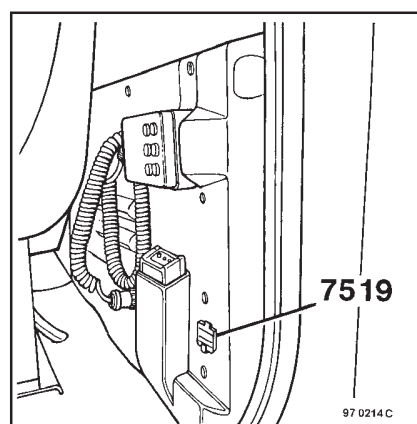
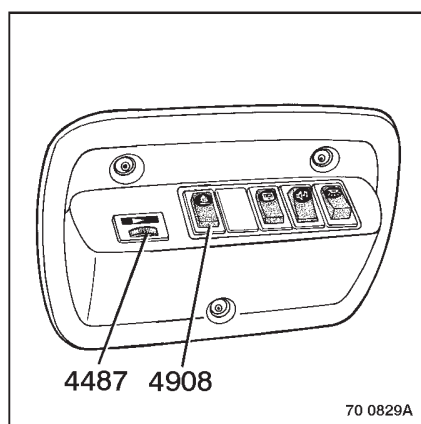


70 1243

Independent heater "D1LCC/D3LCC"

Layout of appliances in cab

Appliance	Plate
4469 – Independent heating timer control	17R
4487 – Temperature control unit	17R
7519 – Diagnostics socket	07M



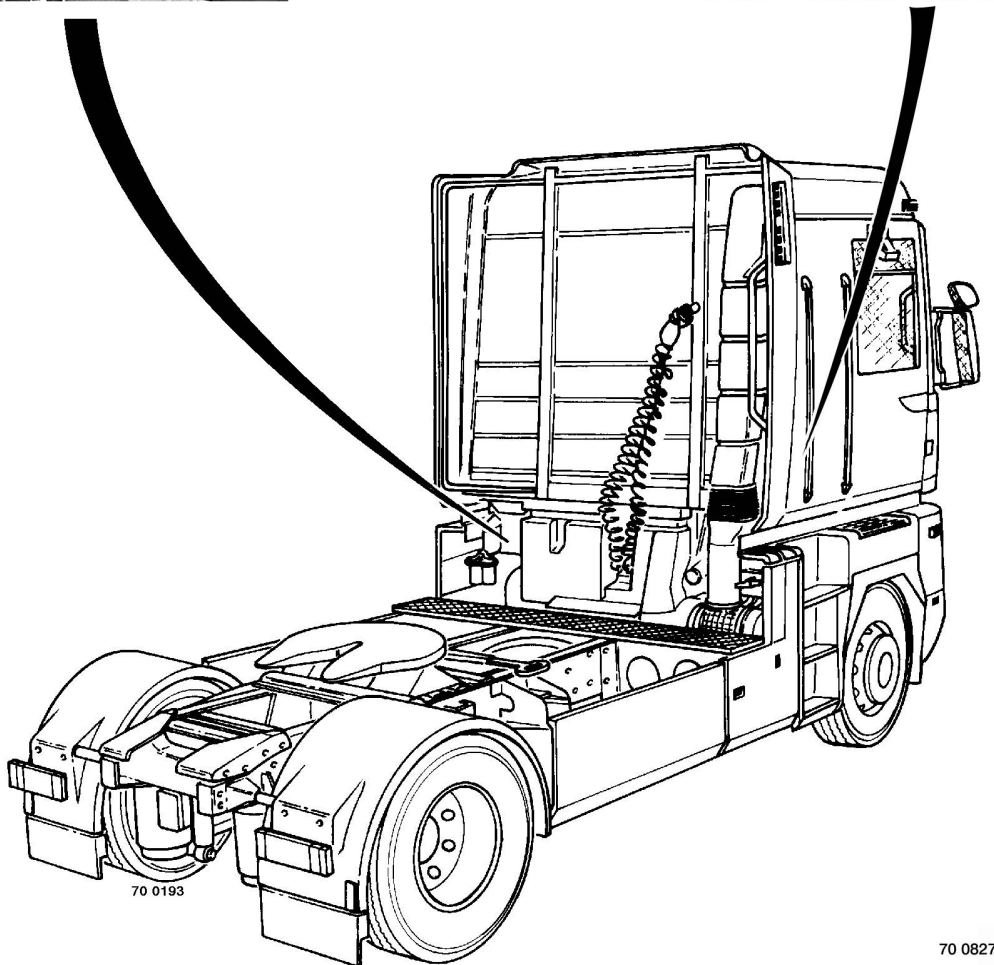
Independent heater “D3LCC (ADR)”

Layout of appliances in cab

Appliance

Plate

4487 – Temperature control unit	17P
4908 – Independent heater start-up control	17P
7519 – Diagnostics socket	07M

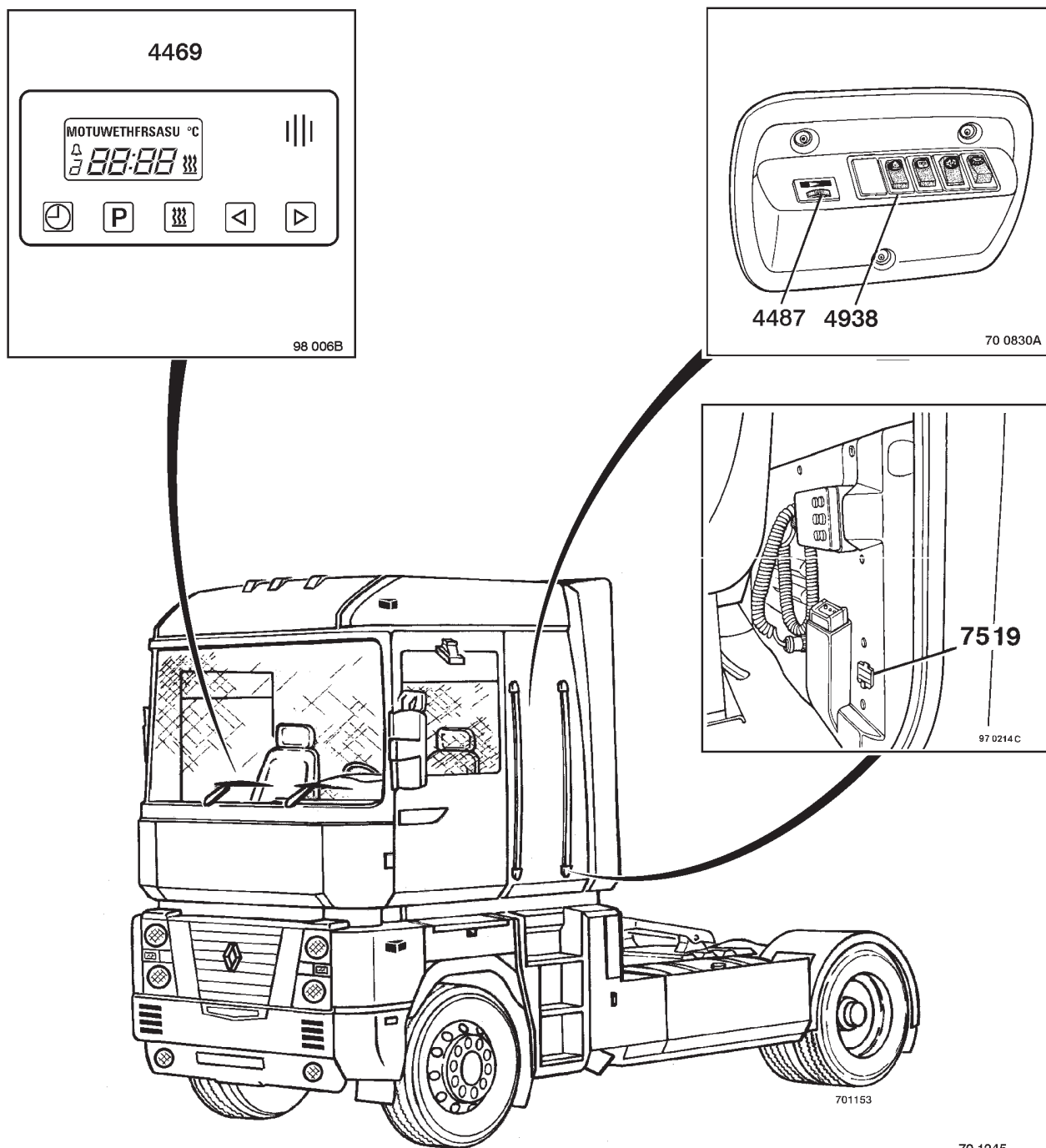


Independent heater "D1LCC/D3LCC"

Appliance

4423 – Independent heater	17P/R
4919 – Fuel feed pump	17P/R

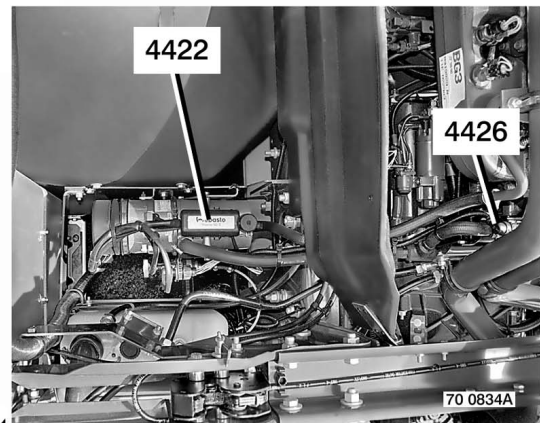
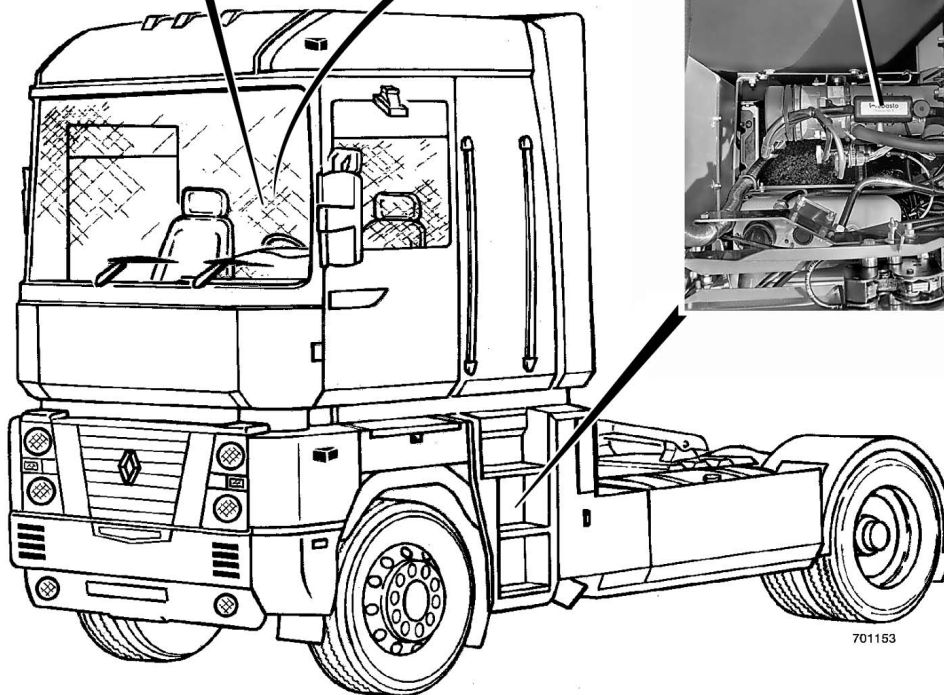
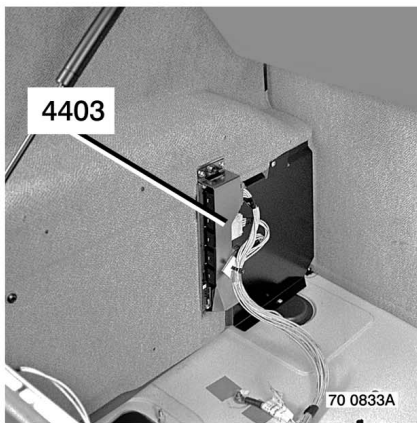
Plate



Independent heater “THERMO 90S”

Layout of appliances in cab

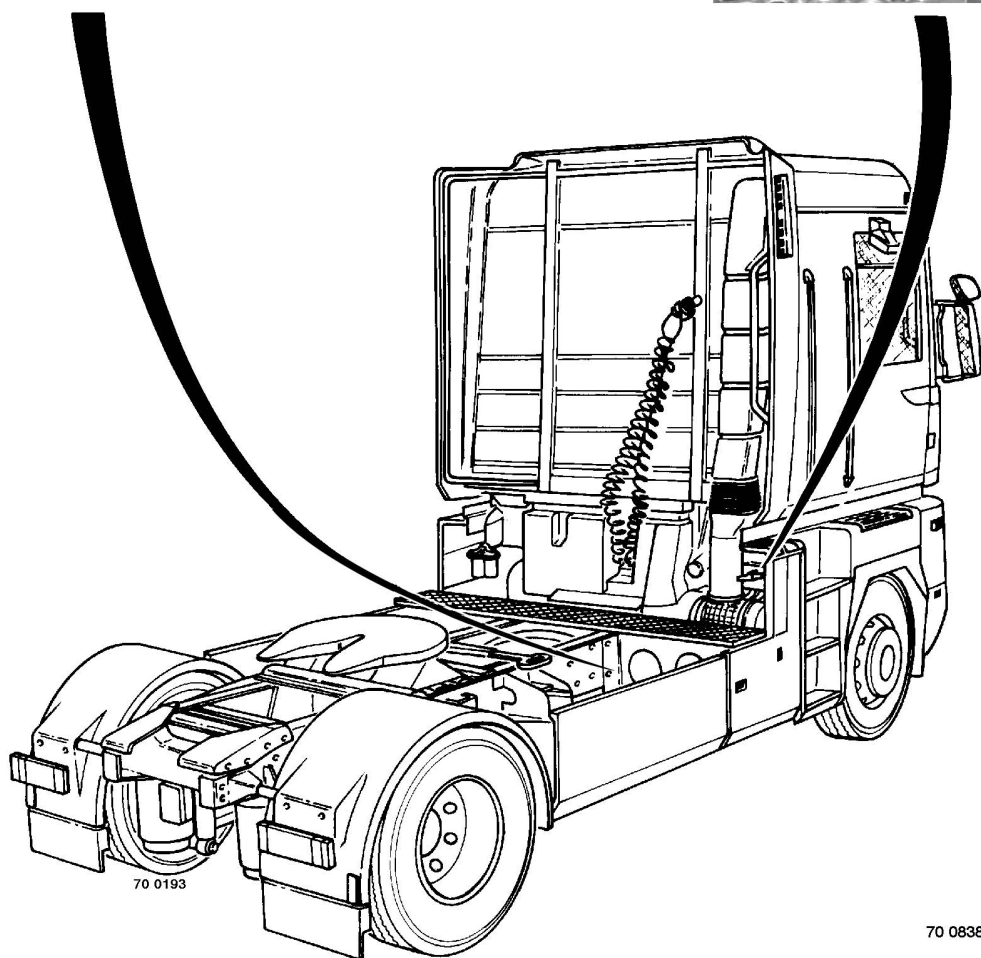
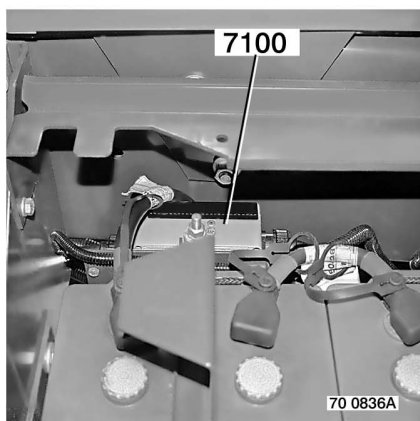
Appliance	Plate
4469 – Independent heating timer control	17N
4487 – Temperature control unit	17N
4938 – Cooling circuit main solenoid valve control	17N
7519 – Diagnostics socket	07M



70 1246

Independent heater "THERMO 90S"

Appliance	Plate
4403 – Fuel filter preheater	17N
4422 – Independent heater	17N
4426 – Main water circuit solenoid valve	17N
4470 – Interior temperature sensor	17N



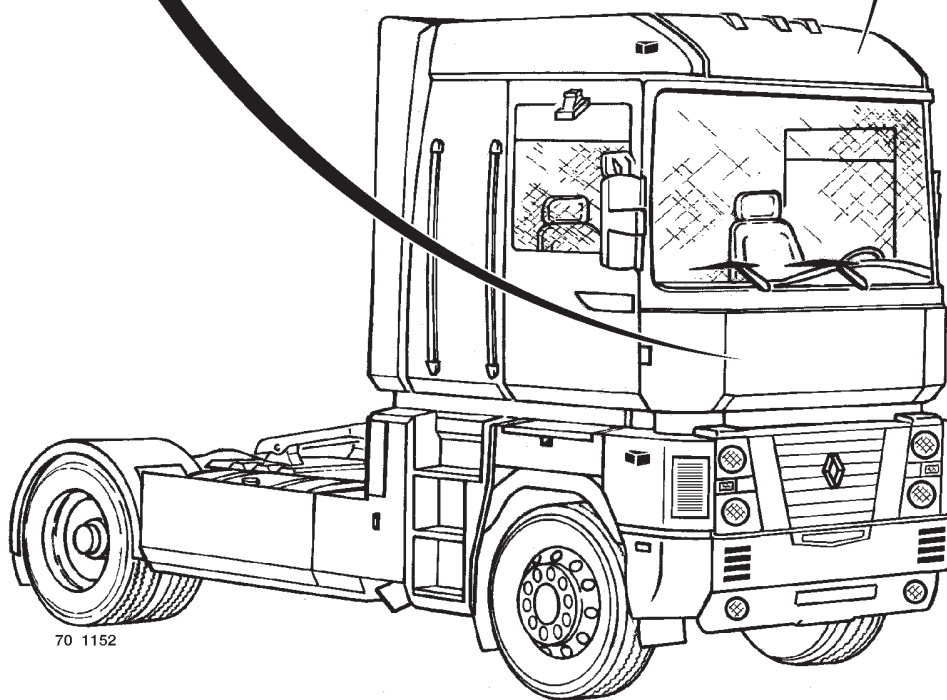
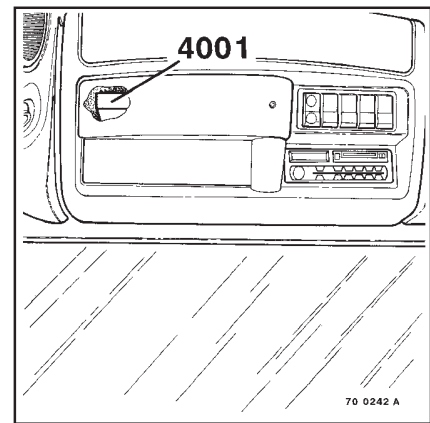
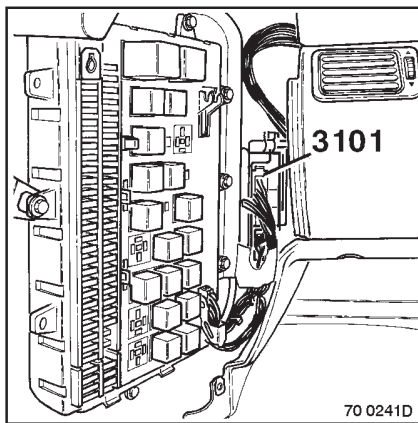
ADR equipment

Layout of appliances on chassis

Appliance

Plate

2171 – ADR master switch	01T
7100 – Current limiter	01T



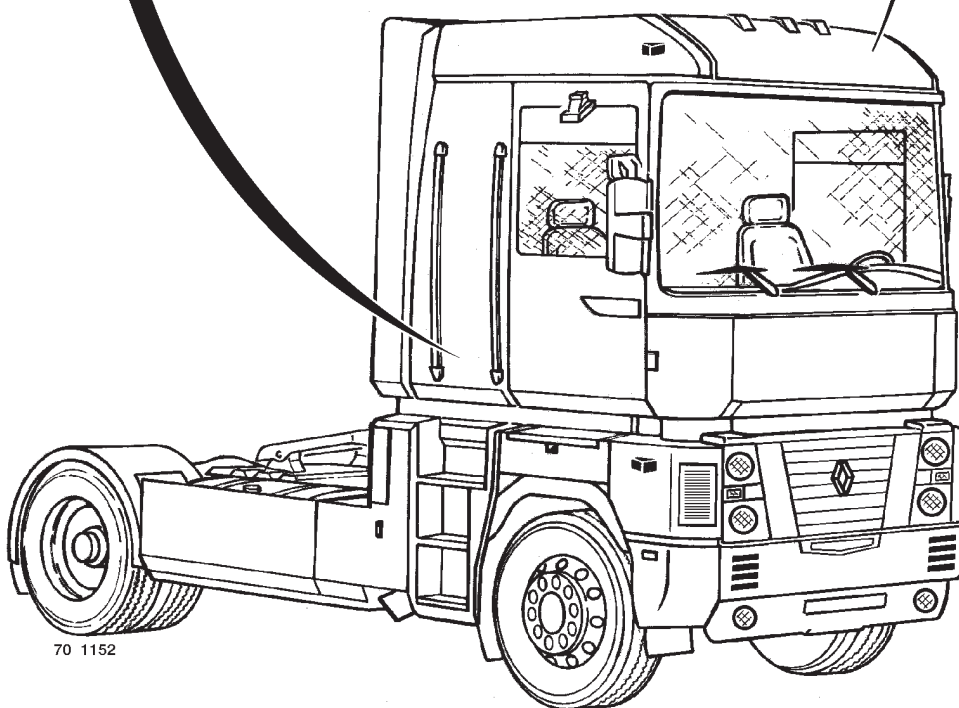
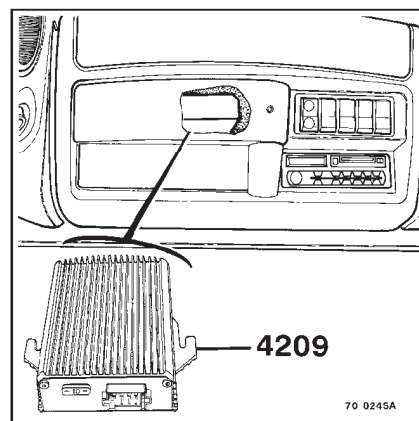
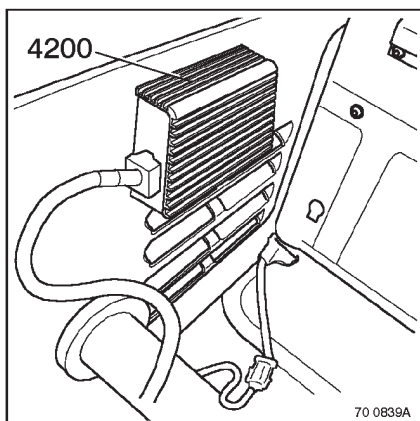
Cab-mounted electronic boxes

Layout of appliances in cab

Appliance

Plate

3101 – Flasher unit	05M
4001 – Doors central locking box	08M



70 1247

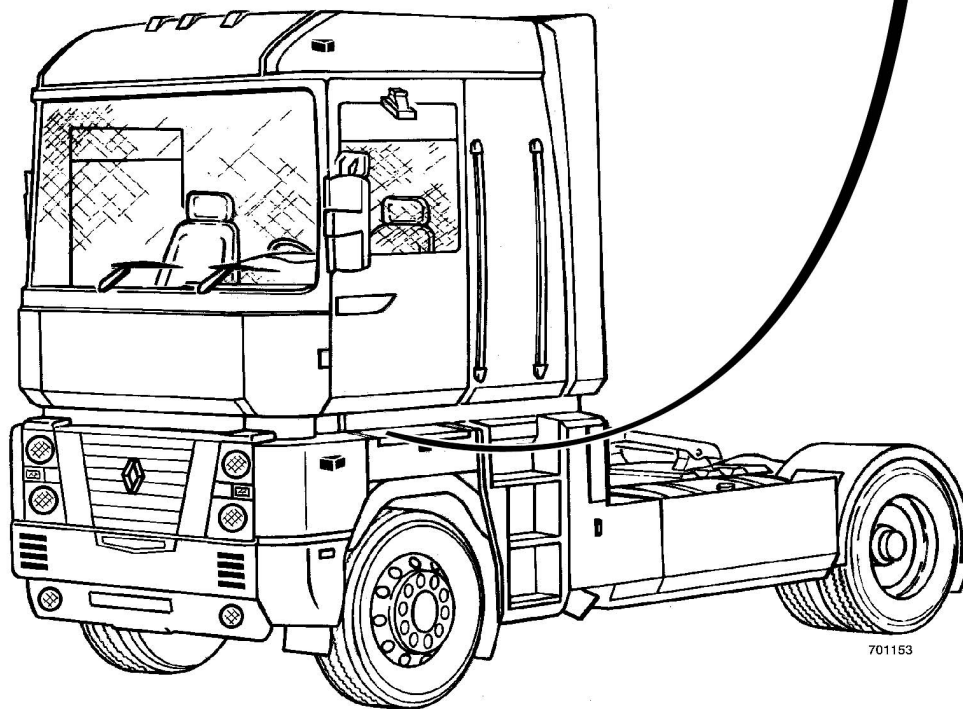
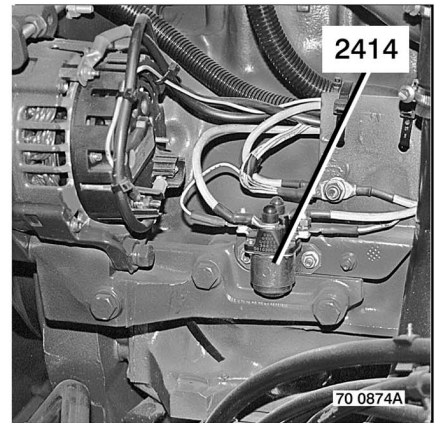
Voltage dropper

Layout of appliances in cab

Appliance

Plate

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



701153

70 1248

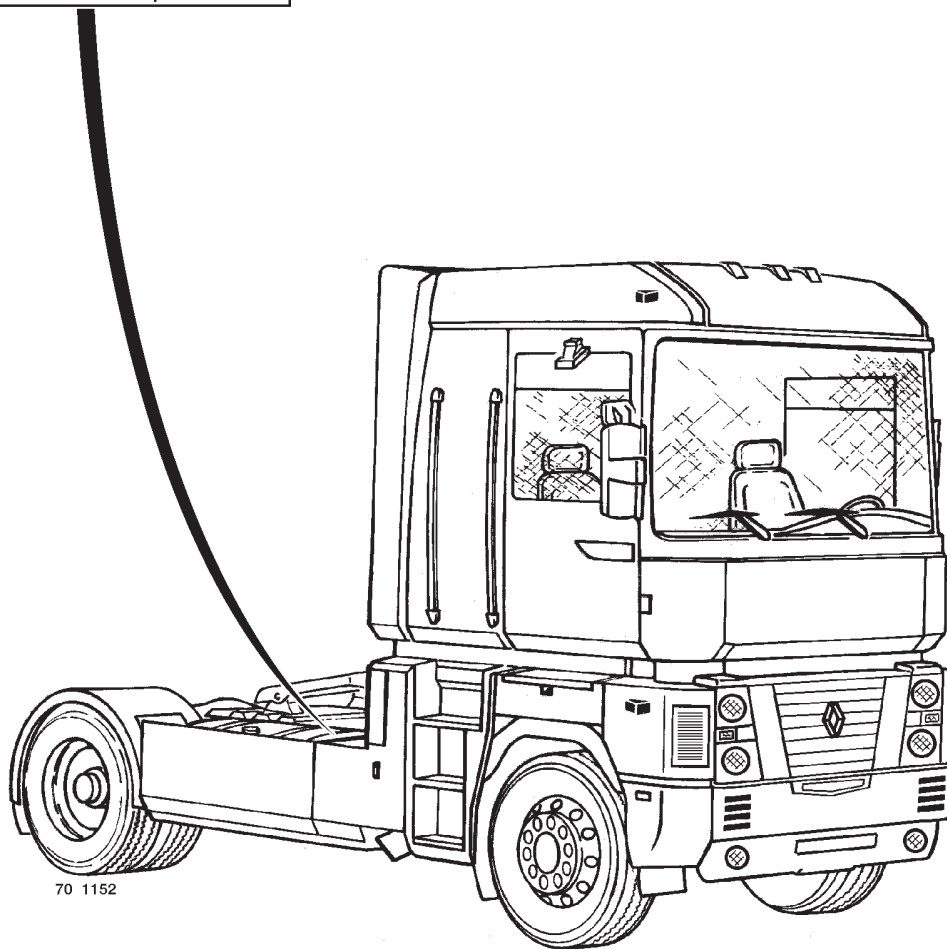
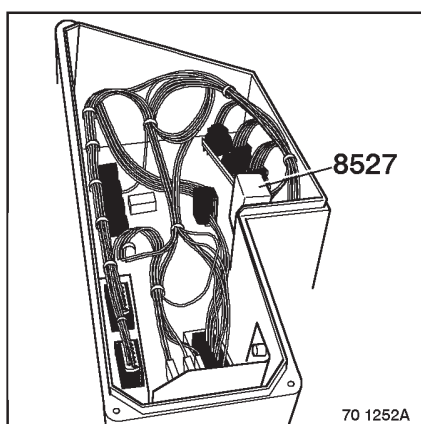
Relays away from connection unit

Layout of appliances on engine

Appliance

Plate

2414 – Preheating relay 02M



70 1219

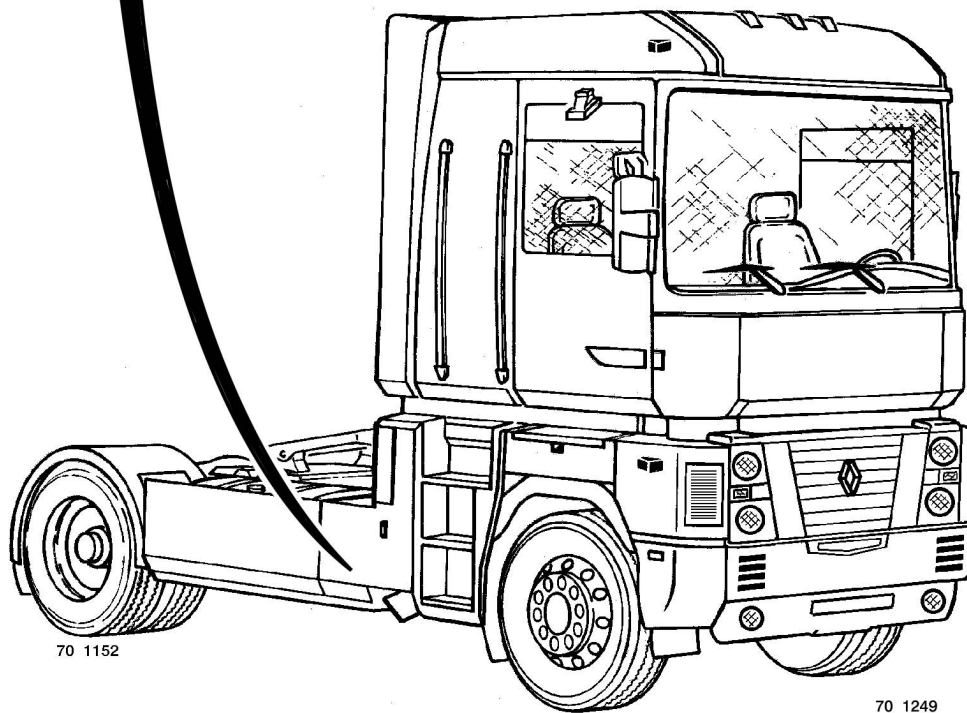
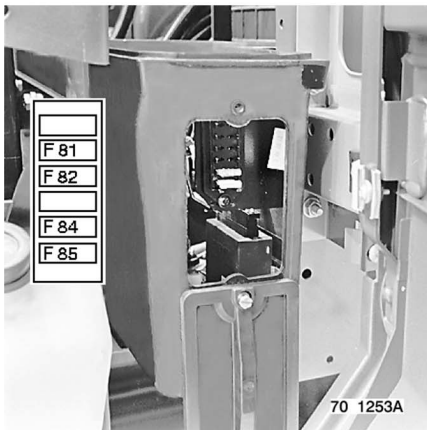
Relays away from connection unit

Appliance

8527 – Cab tilting relay

Plate

29M



Fuses away from connection unit

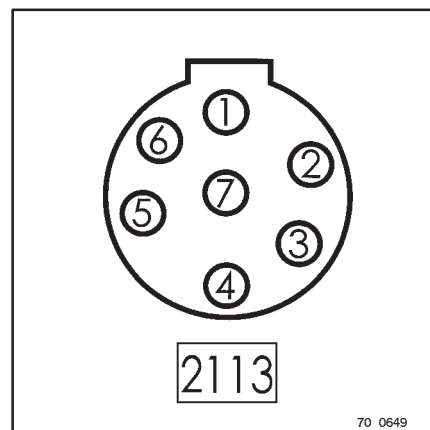
Layout of appliances on chassis

Appliance	Plate
F81 – Hydraulic retarder ECU fuse	16N
F82 – Hydraulic retarder ECU fuse	16N
F82 – Electric retarder ECU fuse	16P
F84 – Cab tilt pump fuse	29M
F85 – Trailer socket, 7-pin type “EBS” fuse	15M

Trailer sockets

2113 – Trailer socket, 7-pin type 24 N

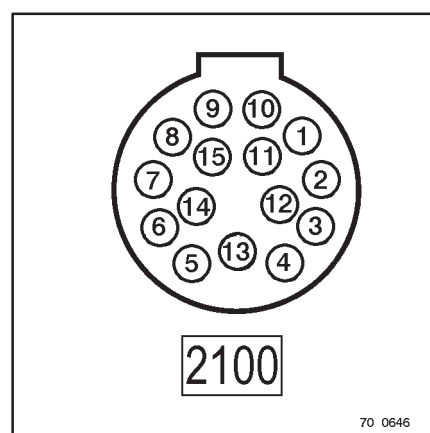
Terminal	Assignment	Fuse	Amp
1	Earth	—	—
2	Trailer LH side/parking lights	F4	10A
3	Trailer LH flashing lights	F34	20A
4	Trailer stop lights	F27	10A
5	Trailer RH flashing lights	F34	20A
6	Trailer RH side/parking lights	F4	10A
7	Available	—	—



70 0649

2100 – Trailer socket, 15-pin

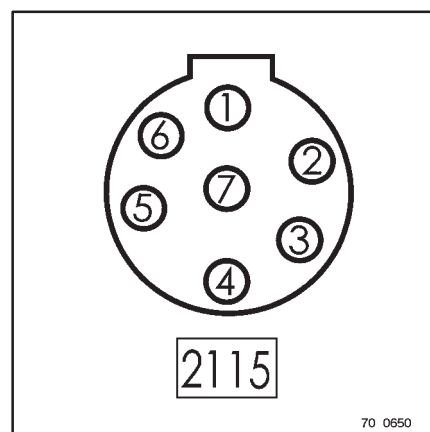
Terminal	Assignment	Fuse	Amp
1	Trailer LH flashing lights	F34	20A
2	Trailer RH flashing lights	F34	20A
3	Trailer fog lights	F8	10A
4	Earth	—	—
5	Trailer LH side/parking lights	F4	10A
6	Trailer RH side/parking lights	F4	10A
7	Earth	—	—
8	Trailer RH flashing lights	F34	20A
9	Trailer fog lights	F43	10A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



70 0646

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

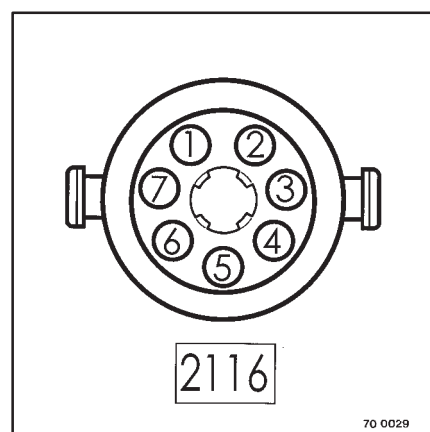
Terminal	Assignment	Fuse	Amp.
1	Earth	—	—
2	Perimetric protection module	—	—
3	Trailer reversing lamps	F16	10A
4	Trailer + 24V power supply	F43	10A
5	Trailer "EBS" safety tell-tale lamp	—	—
6	Trailer + 24V power supply	F1	10A
7	Trailer rear fog lamps	F8	10A



70 0650

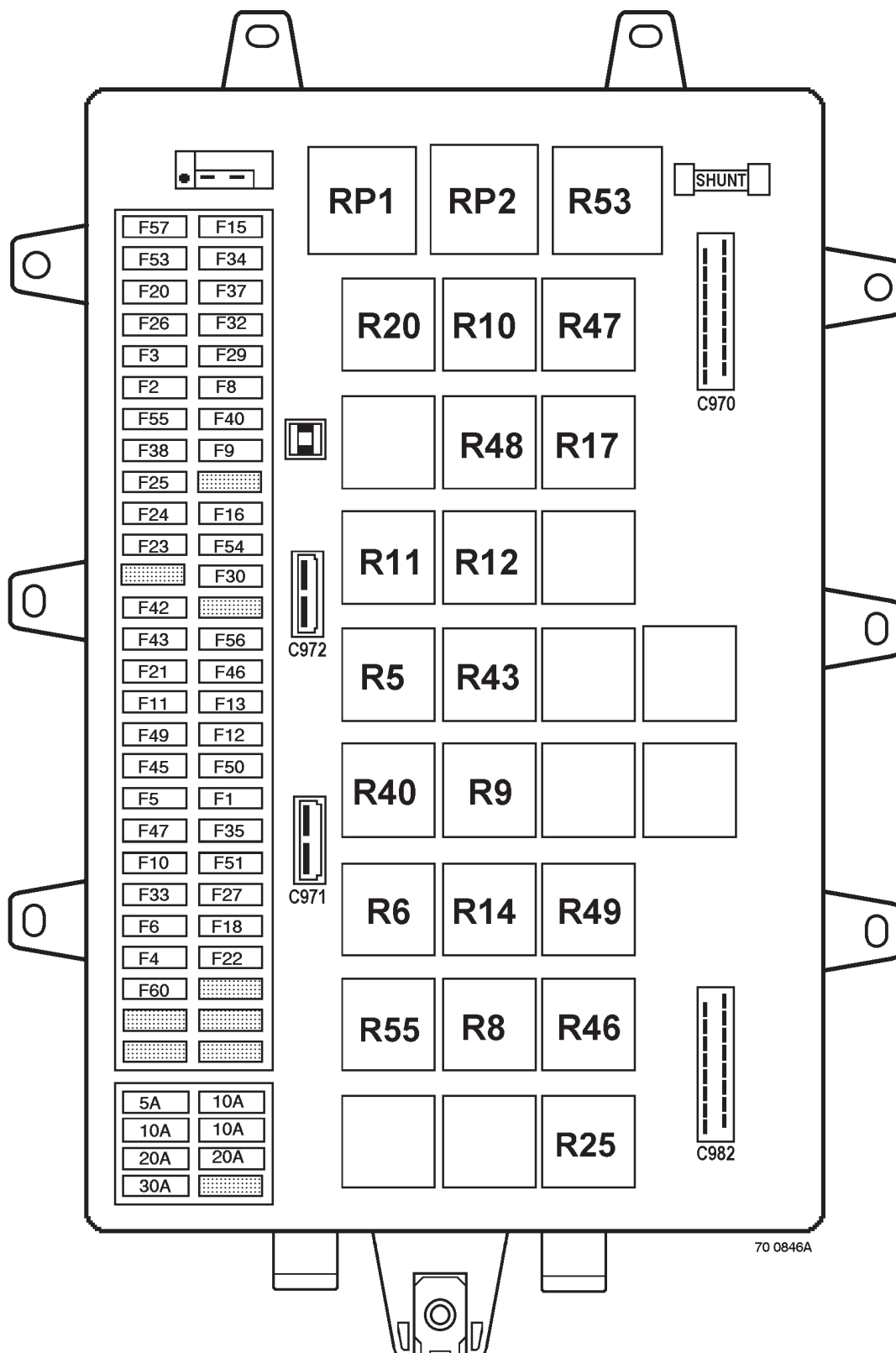
2116 – Trailer socket, 7-pin type ABS

Terminal	Assignment	Fuse	Amp
1	Power supply (after master switch)	F85	20A
2	Power supply (after ignition)	F1	10A
3	Earth	—	—
4	Earth	—	—
5	Trailer "EBS" safety warning light	—	—
6	"EBS" ECU	—	—
7	"EBS" ECU	—	—



70 0029

FUSES / RELAYS / DIODES



FUSES

Table of fuses on connection unit

Assignment	Item	Amp.	Folio
Trailer socket, 7-pin type "EBS"	F1	10	01P
Principal display	F1	10	01P
Trailer socket, 7-pin type 24 S	F1	10	01P
Engine preheating control	F1	10	01P
Electric or hydraulic retarder control	F1	10	01P
RH side/parking lights	F2	10	04M
RH marker lights	F2	10	04M
RH central marker lights	F2	10	04M
LH side/parking lights	F3	10	04N
LH marker lights	F3	10	04N
LH central marker lights	F3	10	04N
Trailer side/parking lights	F4	10	15M/N
Available power supply (lighting)	F5	10	04P
Available power supply (roof light bank)	F5	10	04P
Dashboard instruments lighting	F6	10	04P
Switch lighting	F6	10	04P
Headlamps wash time-delay relay	F6	10	04P
Fog light(s)	F8	10	04S
Fog lights warning light	F8	10	04S
Fog driving lights	F9	10	04S
Fog driving lights warning light	F9	10	04S
RH main beam headlight	F10	10	04R
LH main beam headlight	F11	10	04R
Main beam headlights warning light	F11	10	04R
LH dipped beam headlight	F12	10	04R
Dipped beam headlights warning light	F12	10	04R
RH dipped beam headlight	F13	10	04R
Windscreen wiper speed controller	F15	10	01P
Anti-theft alarm ECU	F15	10	01P
Anti-theft electronic box	F16	10	01P
"AIRBAG" ECU	F16	10	01P
Reversing lamp(s)	F16	10	01P
Defrosting rearview mirror control	F16	10	01P
Air pressure gauge	F16	10	01P
Reversing buzzer	F16	10	01P
Air conditioning	F18	20	01R
Air conditioning relay	F18	20	01R
Roof air vent motor	F20	10	08N
Power supply (after master switch)	F21	10	30N
Independent heater	F22	30	01R
Step light	F23	20	10N
Overhead light(s)	F23	20	10N
Voltage dropper (telecommunications)	F23	20	10N
Map reader	F23	20	10N
Passenger's window winder motor	F24	20	08N
Tachograph clock	F25	5	06M
Horn	F26	10	05M
2-tone horn solenoid valve	F26	10	05M
Stop lights	F27	10	05N
Trailer stop lights	F27	10	05N
LH swivelling defrosting rearview mirror	F29	10	09M
RH swivelling defrosting rearview mirror	F29	10	09M
Headlamps adjustment motors	F30	10	14M
Radio	F30	10	14M
Windscreen wiper motor	F32	20	11M
Windscreen washer pump	F32	20	11M

FUSES

Table of fuses on connection unit

Assignment	Item	Amp.	Folio
Headlamps washer pump	F32	20	11M
Diagnostics socket	F33	10	07M
Suspension ECU	F33	10	07M
Flasher unit	F34	20	01R/T
Radio tuner + 24 Volts power supply	F34	20	01R/T
Independent heater programming control	F34	20	01R/T
Hazard lights control	F34	20	01R/T
Available power supply (after ignition key)	F35	10	30N
"EBS" ECU	F37	20	20M
Driver's window winder motor	F38	20	08N
Available relay(s)	F40	10	30N
Gearbox ECU "ASTRONIC"	F42	10	23M
Working spotlight (tractor)	F43	10	10M
Trailer + 24 Volts power supply	F43	10	10M
Doors central locking box	F45	10	01M/T
Passenger side electric door striker	F45	10	01M/T
Driver side electric door striker	F45	10	01M/T
Anti-theft alarm ECU	F45	10	01M/T
Anti-theft alarm siren	F45	10	01M/T
Air dryer heater	F46	20	01P
Centralized lubrication timer	F46	20	01P
Self-tracking axle electrovalve	F46	20	01P
Suspension ECU	F47	10	01P
Ventilation control box	F47	10	01P
Suspension remote control box	F47	10	01P
Reversing lights relay	F49	10	01R
Refrigerator	F50	20	14S
Heated driver's seat	F51	20	14M
Heated passenger seat	F51	20	14M
Voltage dropper (12V socket)	F51	20	14M
"SAE" plug socket	F51	20	14M
Cigar lighter	F51	20	14M
Video available power supply	F53	10	30B
Front sun blind motor	F54	10	14D
Side sun blind motors	F54	10	14D
Available power supply (after ignition key)	F55	10	30N
Available relay(s)	F55	10	30N
Gearbox ECU "ASTRONIC"	F56	10	23M
Vehicle master ECU	F57	10	27N
Tachograph	F57	10	27N
"EUP" ECU	F58	20	27R
Exhaust brake electrovalve	F58	20	27R
"EBS" ECU	F60	5	20M

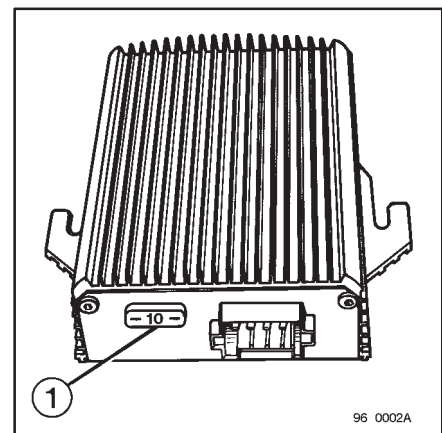
FUSES

Table of fuses away from connection unit

Assignment	Item	Amp.	Folio
Hydraulic retarder ECU	F81	5	16N
Hydraulic retarder ECU	F82	10	16N
Electric retarder ECU	F82	10	16P
Cab tilt pump	F84	40	29M
Trailer socket, 7-pin type "EBS"	F85	20	15M/N

Voltage dropper

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



RELAYS

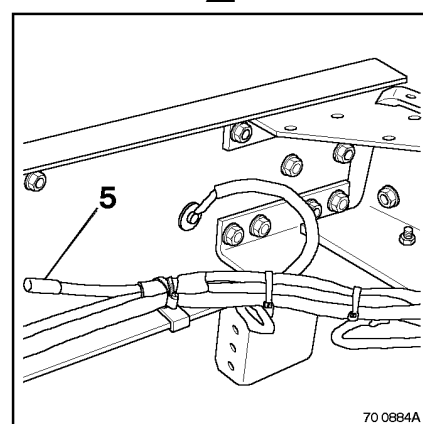
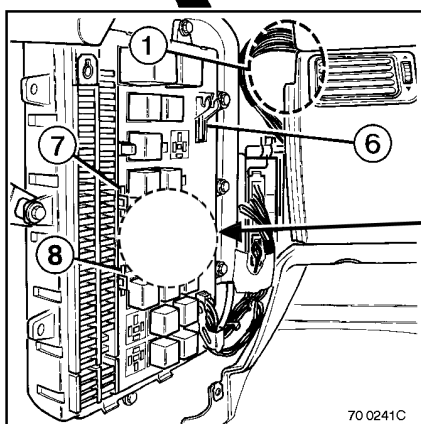
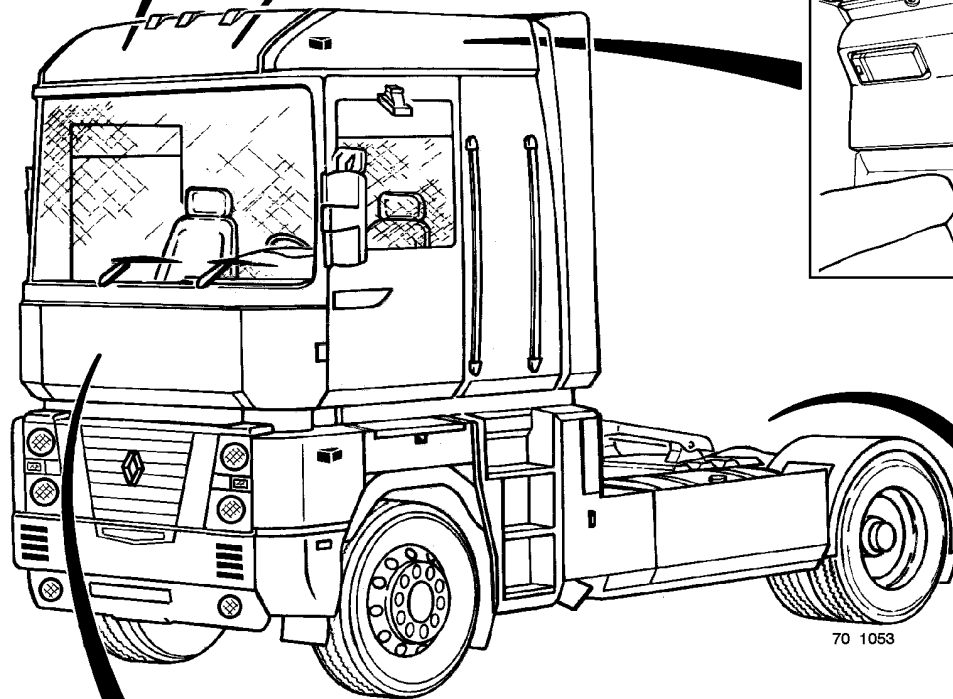
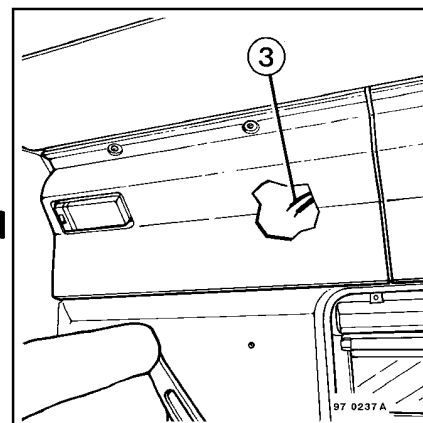
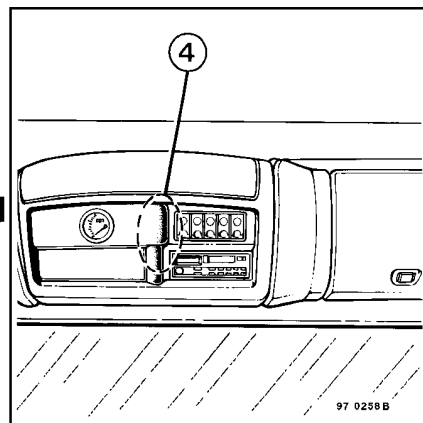
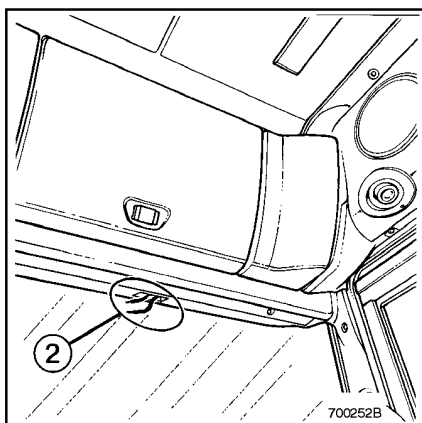
Table of relays on connection unit

Assignment	Item	Amp.	Folio
After ignition power supply relay N° 1	RP1	50	01P
After ignition power supply relay N° 2	RP2	50	01R
Side / parking lights relay	R5	20	04M
Comfort accessories relay	R6	20	14R
Lighting relay	R8	20	04P
Fog driving lights relay	R9	20	04S
Fog lights relay	R10	20	04S
Dipped beam headlights relay	R11	20	04R
Main beam headlights relay	R12	20	04R
Stop lights relay	R14	20	05N
Available relay N° 1	R17	20	30N
Defrosting rearview mirrors relay	R20	20	09M
Windscreen wiper relay	R25	20	11M
Reversing lights relay	R40	20	05P
"VECU / EECU" ECU power supply relay	R43	20	27N
Air conditioning compressor relay	R46	20	17T
Available relay N° 2	R47	20	30N
Available relay N° 3	R48	20	30N
Conditioned air relay	R49	20	17M
Headlamp washer time-delay relay	R53	—	11M
Self-tracking axle safety relay	R55	20	28S

Table of relays away from connection unit

Assignment	Item	Amp.	Folio
Preheating relay	R15	100	02M
Cab tilt mechanism relay	RP10	50	29M

AVAILABLE POWER SUPPLIES



70 1220

AVAILABLE POWER SUPPLIES

LOCATION 1

Assignment	Wire	Fuse	Amp.
Available + 12V power supply (radiotelephone)	46		
Available – power supply (radiotelephone)	155		
Radiotelephone antenna cable			

LOCATION 2

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

LOCATION 3

Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (video)	473	F53	10

LOCATION 4

Assignment	Wire	Fuse	Amp.
Available + 12V power supply (CB)	4000		
Available – power supply (CB)	144		
CB antenna cable			
Front air pressure gauge:			
Earth	1		
Available power supply (after ignition)	24	F16	10
Available power supply (lighting)	64	F6	10
Available power supply (front air pressure)	72		

LOCATION 5

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

LOCATION 6

BROWN connector

Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (lighting)	64	F6	10
Available power supply (after ignition)	960	F55	10
Available power supply (relay 17)	961		
Available power supply (relay 17)	962		
Available power supply (relay 47)	963		
Available power supply (after master switch)	964	F40	10
Available power supply (relay 47)	965		
Available power supply (relay 47)	966		
Available power supply (relay 48)	967		
Available power supply (relay 48)	968		

AVAILABLE POWER SUPPLIES**LOCATION 7****GREY connector**

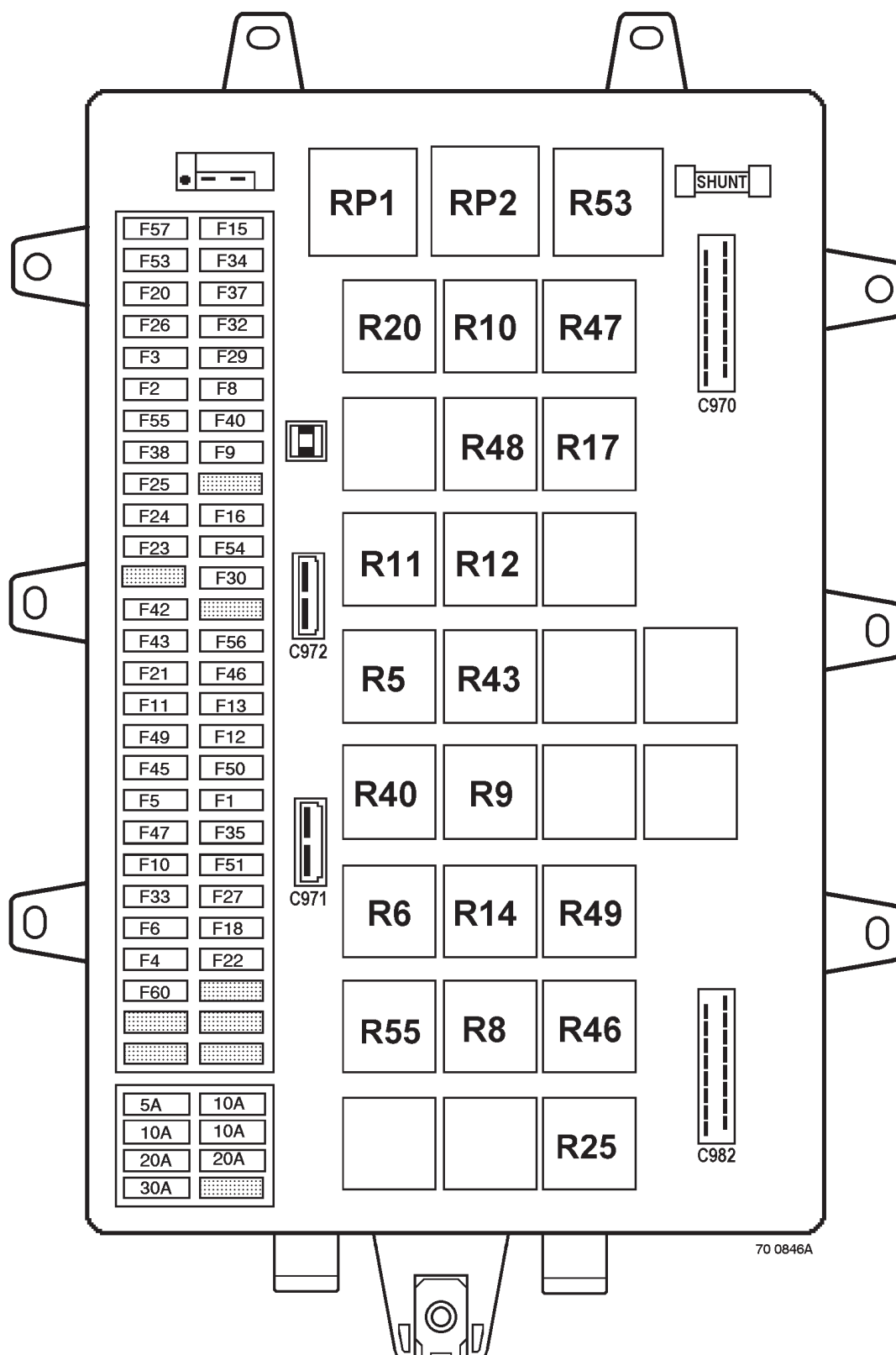
Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (after master switch)	208	F21	10

LOCATION 8**BLACK connector**

Assignment	Wire	Fuse	Amp.
Earth	1		
Available power supply (after ignition)	275	F35	10

CONNECTION UNIT

Fuses and relays box

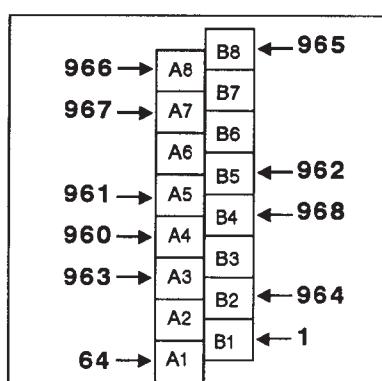
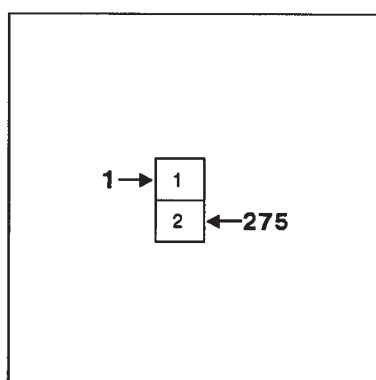
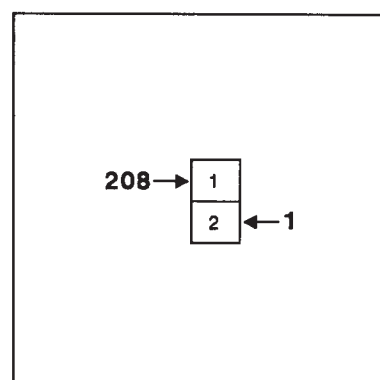
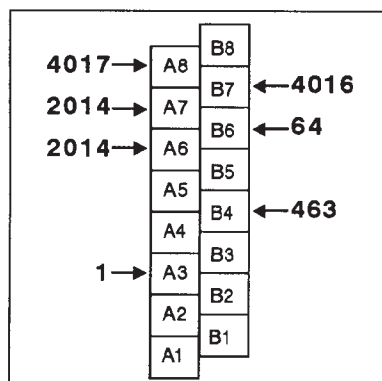


Connection unit – Fuses and relays box

Connection unit – Fuses and relays box

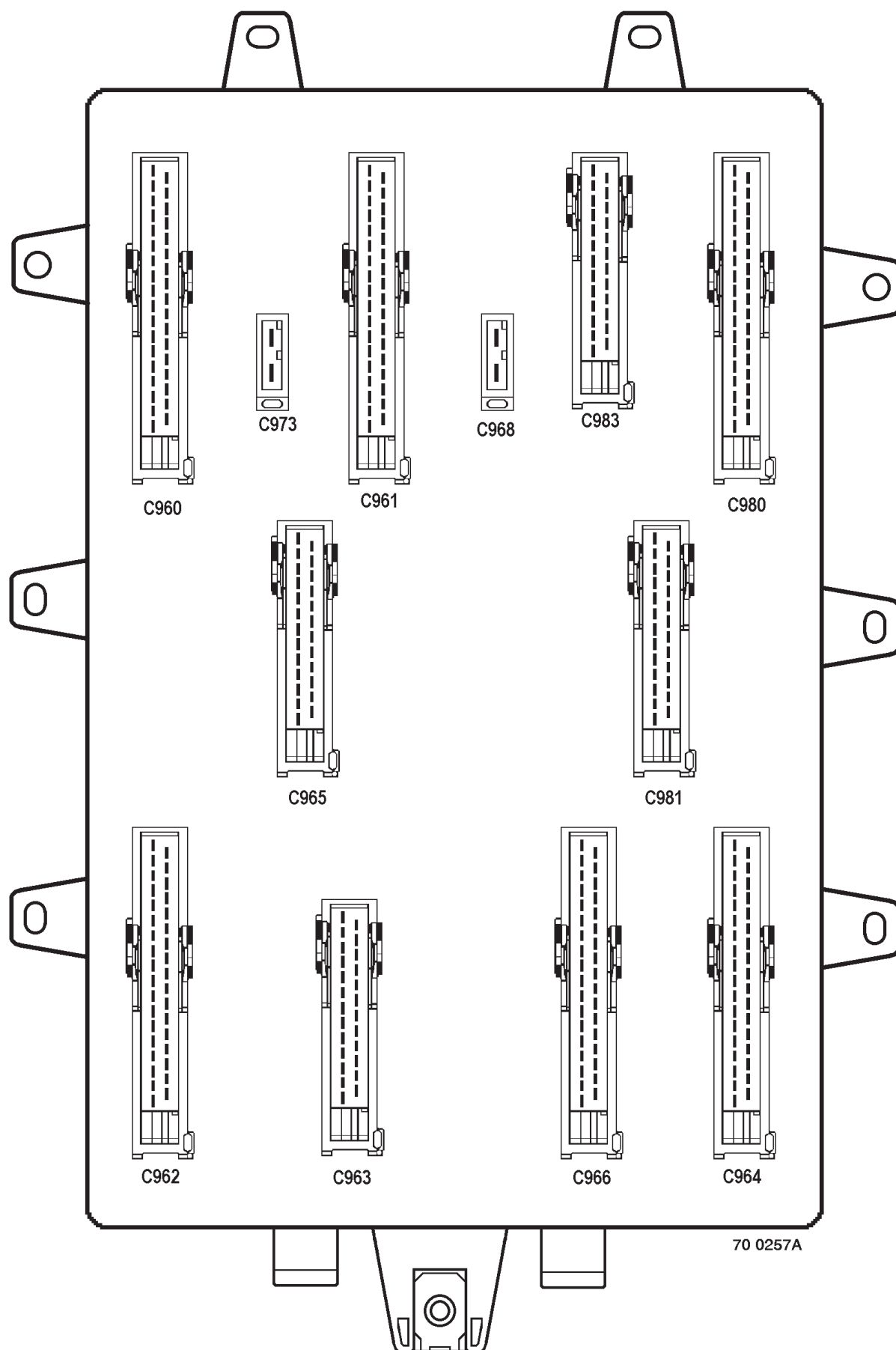
Face A connectors

Number	Assignment	Colour	Number of ways
C 970	Available power supply (relay)	M	16
C 971	Available power supply (after ignition)	N	2
C 972	Available power supply (after master switch)	G	2
C 982	Air conditioning	R	16

**C970****C971****C972**

70 0256A

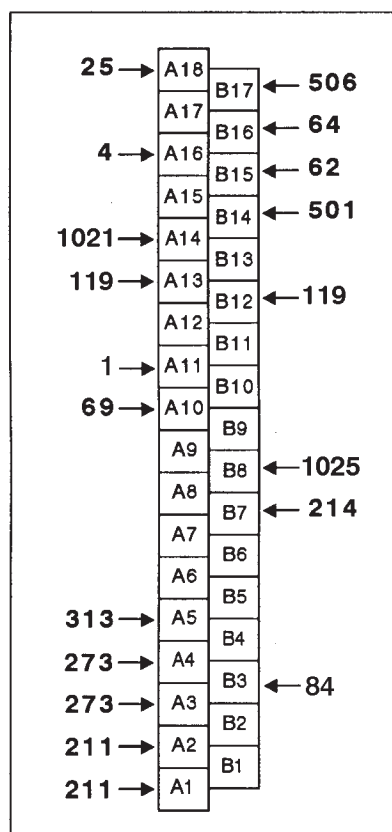
C982



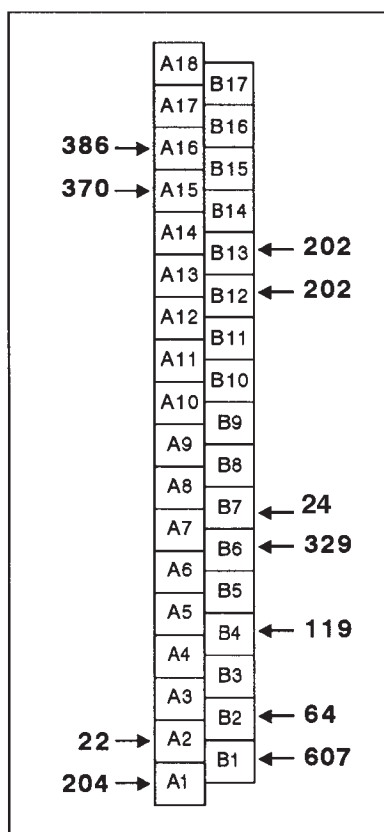
Connection unit – Fuses and relays box

Connection unit – Fuses and relays box**Face B connectors**

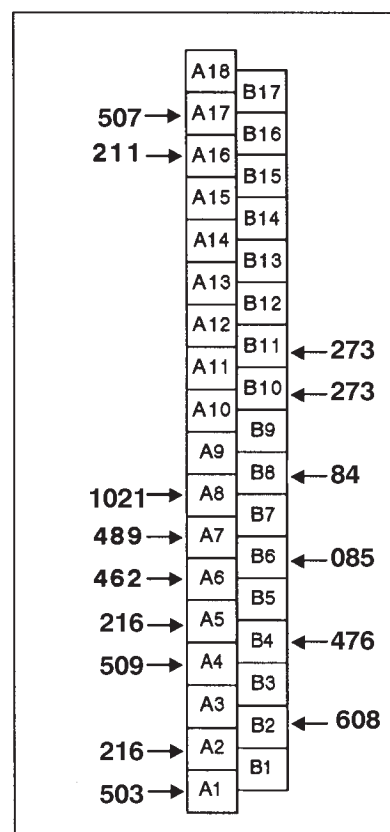
Number	Assignment	Colour	Number of ways
C 960	Dashboard	Bu	35
C 961	Dashboard	Bc	35
C 962	Dashboard	Bu	35
C 963	Dashboard	Bc	25
C 964	Dashboard	J	35
C 965	Dashboard	Bc	25
C 966	Cab floor	R	35
C 968	+ 24V power supply	N	2
C 973	Earth power supply	G	2
C 980	Dashboard	J	35
C 981	Dashboard	J	35
C 983	Dashboard	R	25



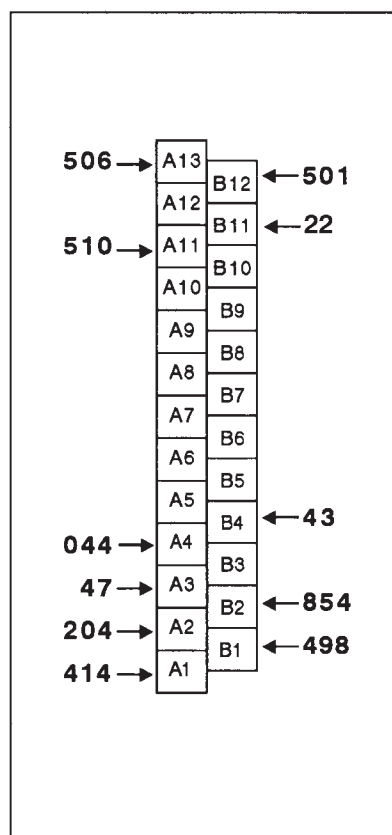
C960



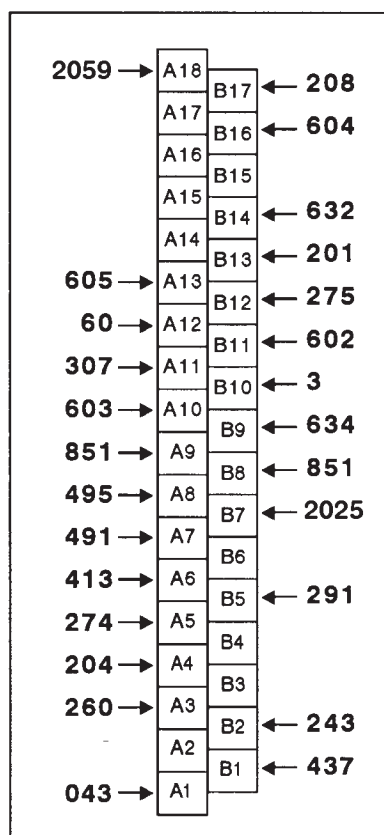
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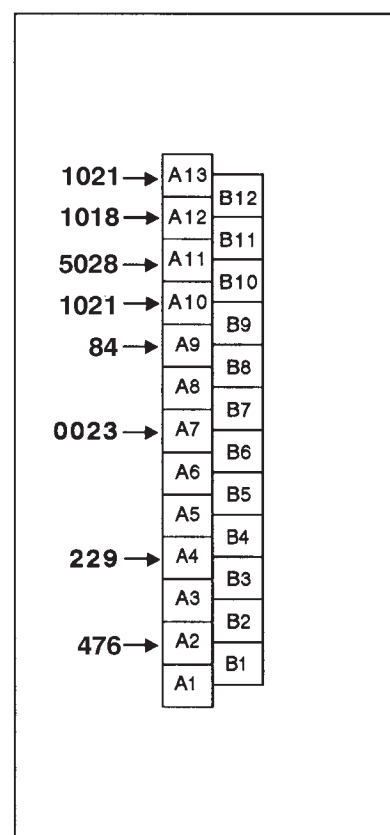
C962



C963

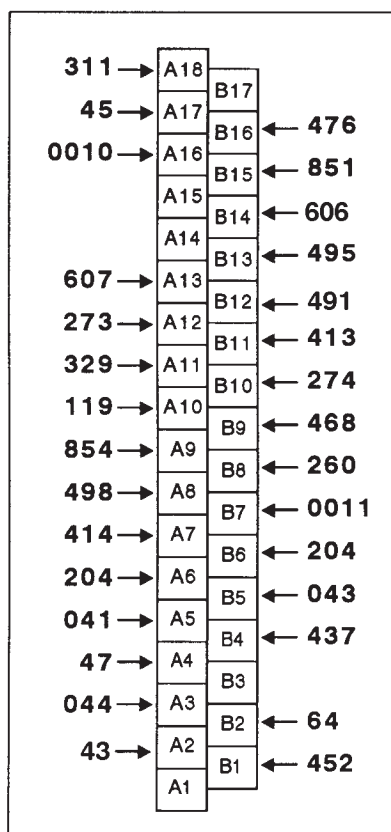


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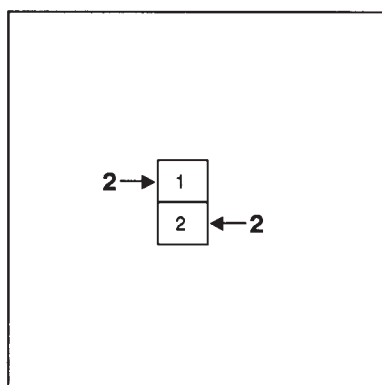


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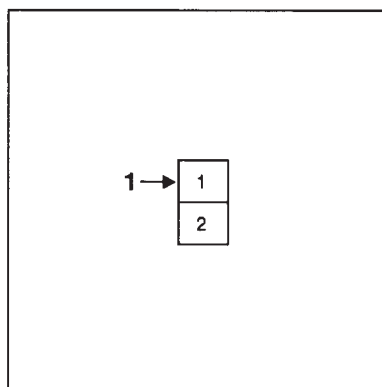
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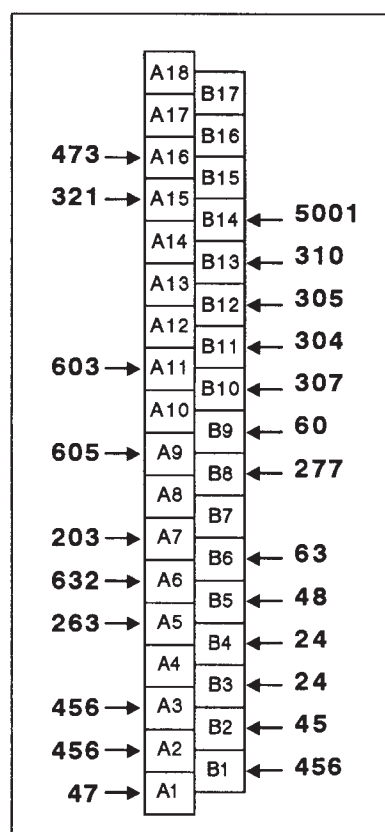
C966



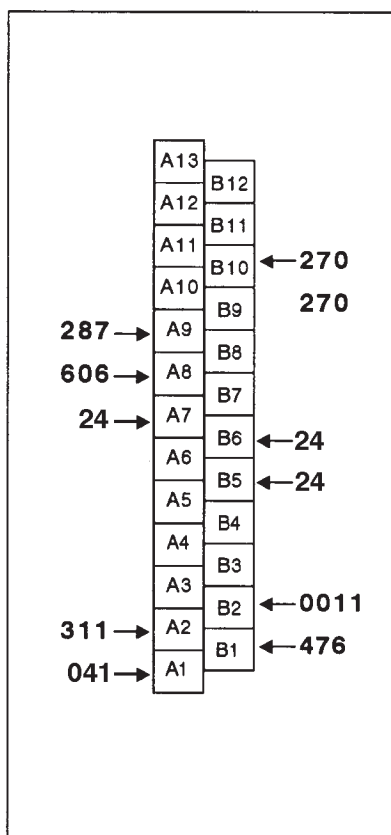
C968



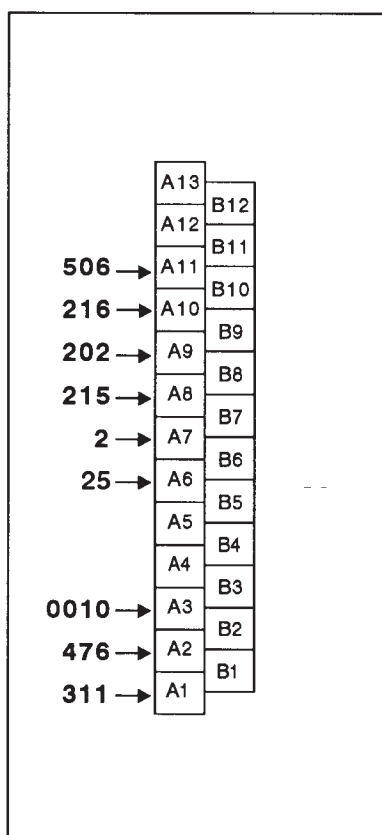
C973



C980



C981



C983

70 0259B

WIRES – CONNECTORS LINKS

Fuses and relays box

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
1	0.5	A11	960
1	1.0	B1	970
1	5.0	1	971
1	5.0	2	972
1	5.0	1	973
1	2.0	A3	982
2	10.0	1	968
2	10.0	2	968
2	2.0	A7	983
3	2.0	B10	964
4	1.0	A16	960
22	1.0	A2	961
22	1.0	B11	963
24	2.0	B7	961
24	0.5	B3	980
24	2.0	B4	980
24	0.5	A7	981
24	0.5	B5	981
24	0.5	B6	981
25	1.0	A18	960
25	0.5	A6	983
43	0.5	B4	963
45	2.0	A17	966
45	2.0	B2	980
47	1.0	A3	963
47	1.0	A4	966
47	0.5	A1	980
48	2.0	B5	980
60	1.0	A12	964
60	0.5	B9	980
62	0.5	A15	960
62	0.5	B15	960
63	0.5	B6	980
64	1.0	B16	960
64	1.0	B2	961
64	1.0	B2	966
64	1.0	A1	970
64	0.5	B6	982
69	0.5	A10	960
84	0.5	B3	960
84	0.5	B8	962
84	0.5	A9	965

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
041	0.5	A5	966
041	0.5	A1	981
043	0.5	A1	964
043	0.5	B5	966
044	0.5	A4	963
044	0.5	A3	966
085	0.5	B6	962
119	0.5	A13	960
119	0.5	B12	960
119	1.0	B4	961
119	1.0	A10	966
201	1.0	B13	964
202	0.5	B12	961
202	0.5	B13	961
202	2.0	A9	983
203	0.5	A7	980
204	2.0	A1	961
204	0.5	A2	963
204	1.0	A4	964
204	2.0	A6	966
204	2.0	B6	966
208	2.0	B17	964
208	2.0	1	972
211	1.0	A1	960
211	1.0	A2	960
211	1.0	A16	962
214	0.5	B7	960
215	1.0	A8	983
216	1.0	A2	962
216	1.0	A5	962
216	1.0	A10	983
229	1.0	A4	965
243	1.0	B2	964
260	1.0	A3	964
260	1.0	B8	966
263	2.0	A5	980
270	1.0	B9	981
270	1.0	B10	981
273	0.5	A3	960
273	0.5	A4	960
273	0.5	B10	962
273	0.5	B11	962
273	0.5	A12	966

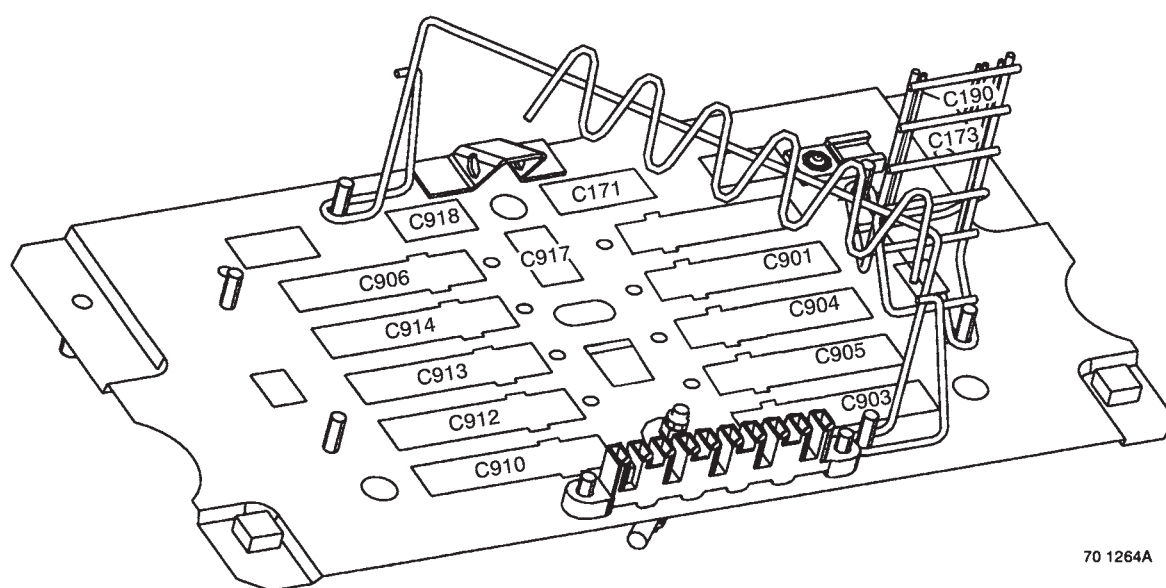
Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
274	1.0	A5	964
274	1.0	B10	966
275	2.0	B12	964
275	2.0	2	971
277	2.0	B8	980
287	2.0	A9	981
291	2.0	B5	964
304	2.0	B11	980
305	2.0	B12	980
307	2.0	A11	964
307	0.5	B10	980
310	0.5	B13	980
311	0.5	A18	966
311	0.5	A2	981
311	0.5	A1	983
313	0.5	A5	960
321	1.0	A15	980
329	0.5	B6	961
329	0.5	A11	966
370	0.5	A15	961
386	0.5	A16	961
413	1.0	A6	964
413	1.0	B11	966
414	1.0	A1	963
414	1.0	A7	966
437	0.5	B1	964
437	1.0	B4	966
452	2.0	B1	966
456	0.5	A2	980
456	0.5	A3	980
456	0.5	B1	980
462	1.0	A6	962
463	2.0	B4	982
468	2.0	B9	966
473	1.0	A16	980
476	1.0	B4	962
476	0.5	A2	965
476	0.5	B16	966
476	0.5	B1	981
476	0.5	A2	983
489	1.0	A7	962
491	0.5	A7	964

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
495	0.5	A8	964
495	0.5	B13	966
498	0.5	B1	963
498	0.5	A8	966
501	1.0	B14	960
501	1.0	B12	963
503	1.0	A1	962
506	0.5	B17	960
506	0.5	A13	963
506	0.5	A11	983
507	1.0	A17	962
509	1.0	A4	962
510	1.0	A11	963
523	2.0	A15	966
602	1.0	B11	964
603	1.0	A10	964
603	0.5	A11	980
604	1.0	B16	964
605	1.0	A13	964
605	0.5	A9	980
606	1.0	B14	966
606	2.0	A8	981
607	0.5	B1	961
607	0.5	A13	966
608	0.5	B2	962
632	2.0	B14	964
632	2.0	A6	980
634	1.0	B9	964
802	0.5	A12	981
802	0.5	B4	983
802	0.5	B5	983
851	0.5	A9	964
851	0.5	B8	964
851	0.5	B15	966
854	0.5	B2	963
854	0.5	A9	966
960	2.0	A4	970
961	2.0	A5	970
962	2.0	B5	970
963	2.0	A3	970
964	2.0	B2	970
965	2.0	B8	970

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
966	2.0	A8	970
967	2.0	A7	970
968	2.0	B4	970
0010	0.5	A16	966
0010	0.5	A3	983
0011	0.5	B7	966
0011	0.5	B2	981
0023	0.5	A7	965
1018	0.5	A12	965
1021	0.5	A14	960
1021	0.5	A8	962
1021	0.5	A10	965
1021	0.5	A13	965
1025	0.5	B8	960
2014	2.0	A7	982
2014	2.0	A6	982
2025	1.0	B7	964
2059	0.5	A18	964
4016	0.5	B7	982
4017	0.4	A8	982
5001	2.0	B14	980
5028	0.5	A11	965

CONNECTION UNIT

Bulkhead grommet



70 1264A

Connection unit – Bulkhead grommet

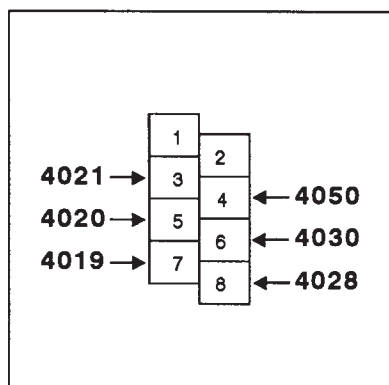
Connection unit – Bulkhead grommet

Connectors interface

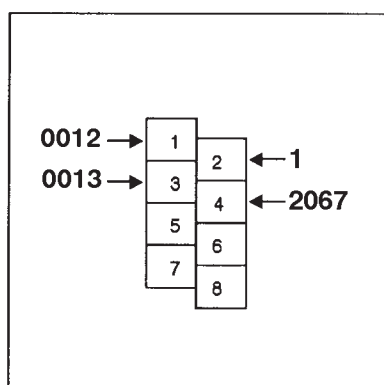
Number	Assignment	Colour	Number of ways
C 171	Fan coil heater	J	8
C 901	Power supplies and auxiliary equipment	Bc	25
C 903	Front signalling / lighting	Ve	25
C 904	Fuel-injection electronic management	R	25
C 905	Power unit	J	25
C 906	Air conditioning	Bu	25
C 910	“EBS” equipment	Ve	25
C 911	+ 24V power supply	—	—
C 912	Electronic air suspension	J	25
C 913	Rear signalling / lighting	R	25
C 914	ASTRONIC gearbox / Retarders	Bc	25
C 917	Independent heater	Bc	8
C 918	Centralized lubrication	G	8

Link between wiring harnesses

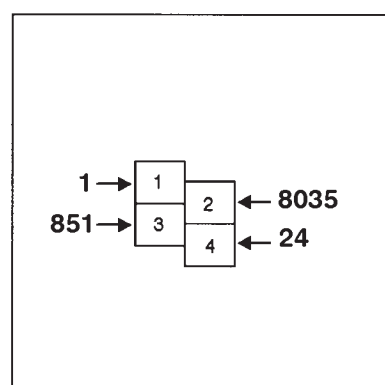
Number	Assignment	Colour	Number of ways
C 173 (Dashboard wiring harness) → C174 (“ASTRONIC” wiring harness)		R	8
C 190 (Dashboard wiring harness) → C222 (Airbag wiring harness)		Bc	4



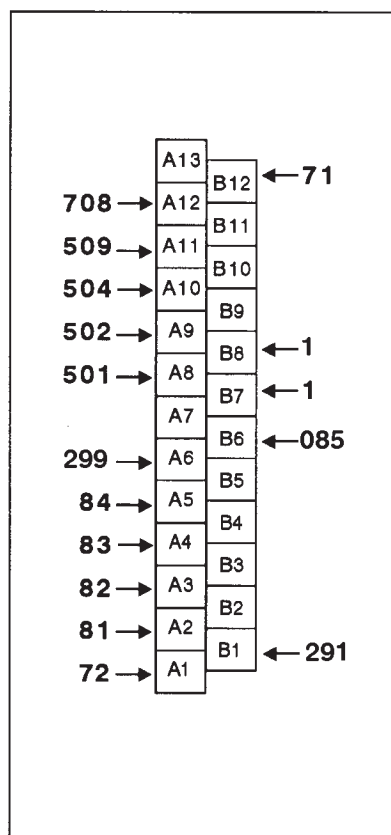
C171



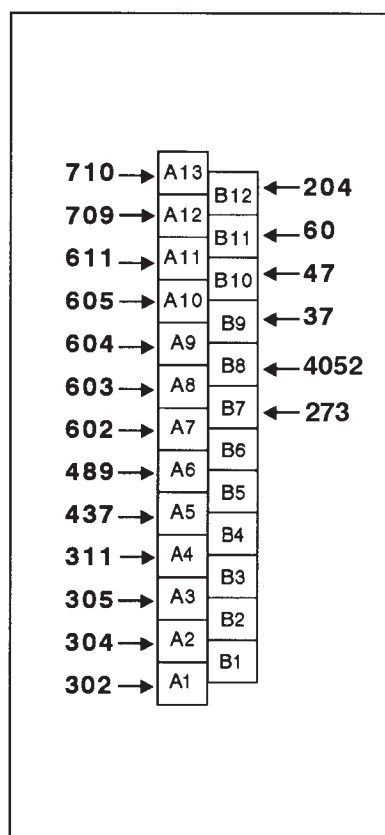
C173



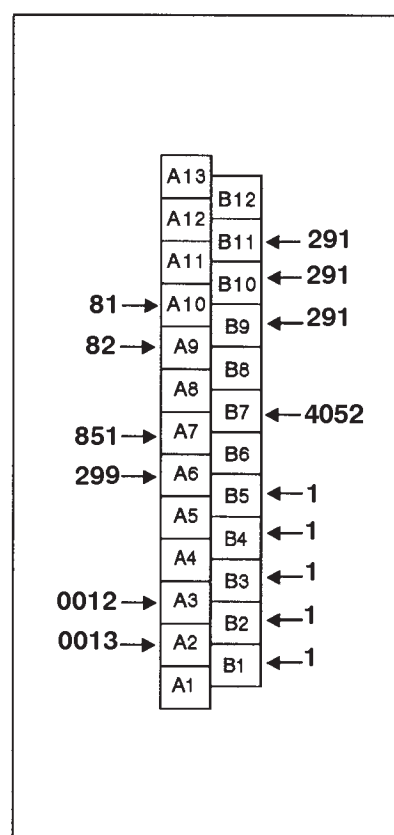
C190



C901

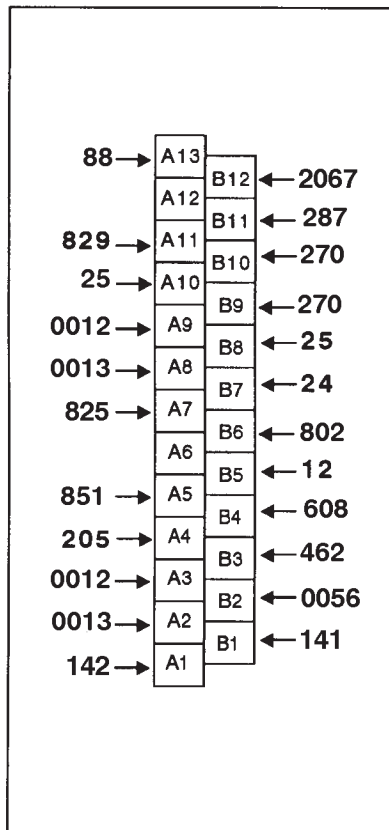


C903

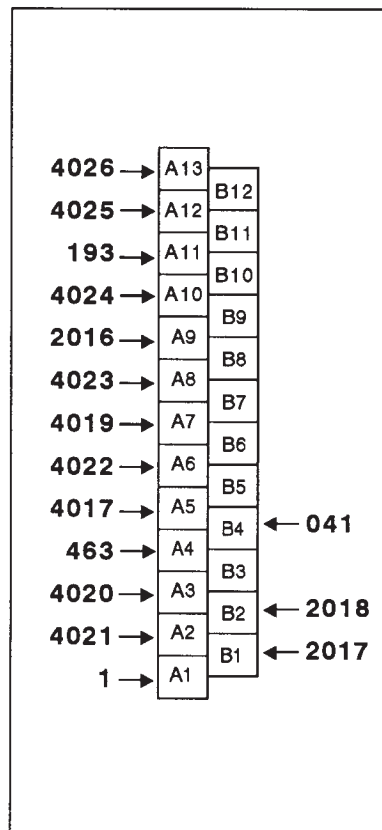


C904

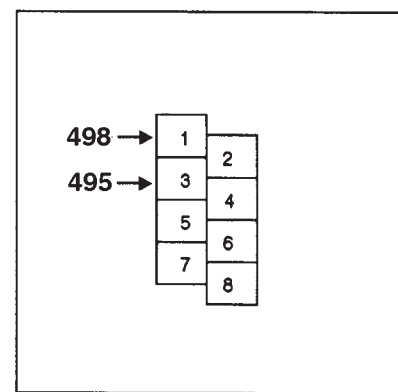
70 0261B



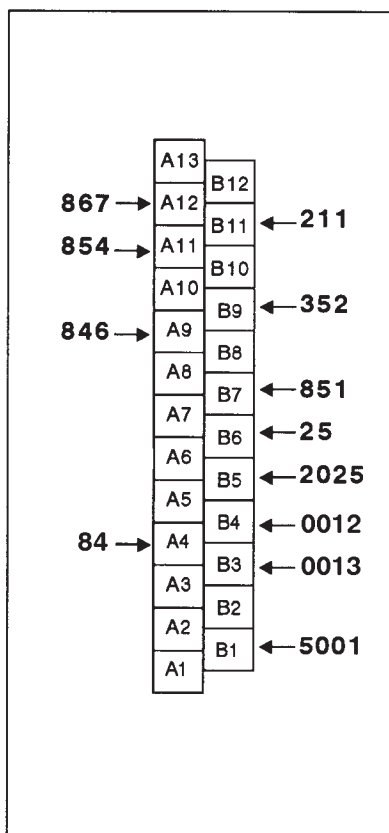
C905



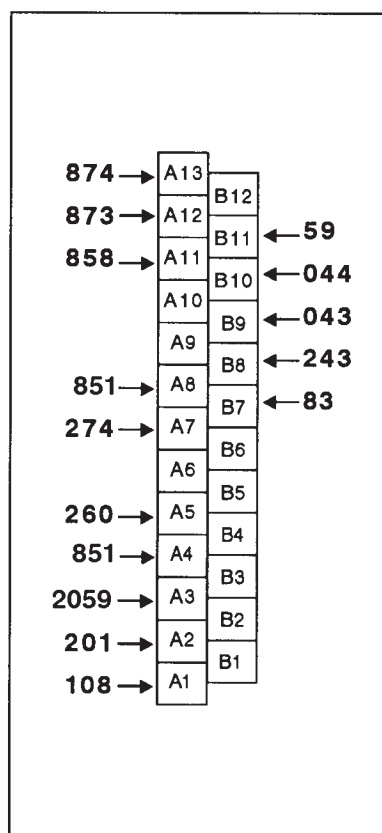
C906



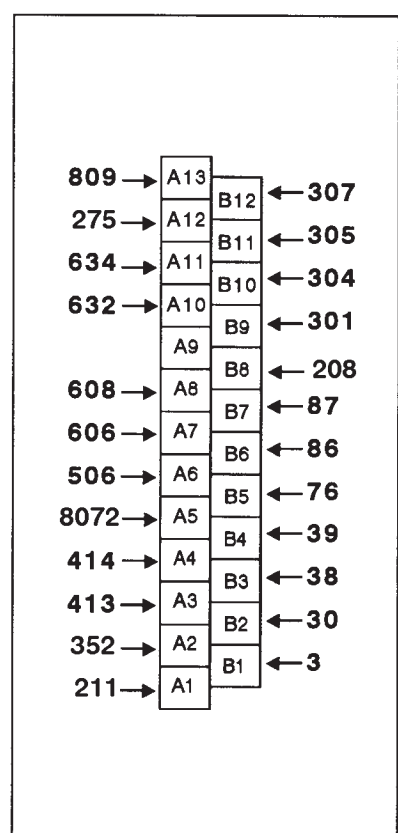
C918



C910

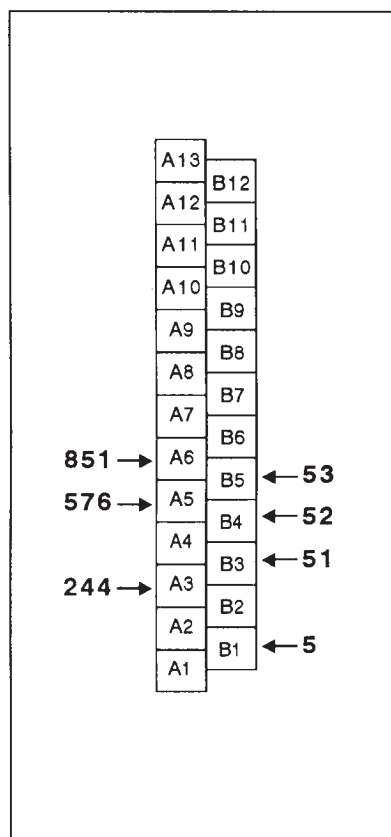


C912

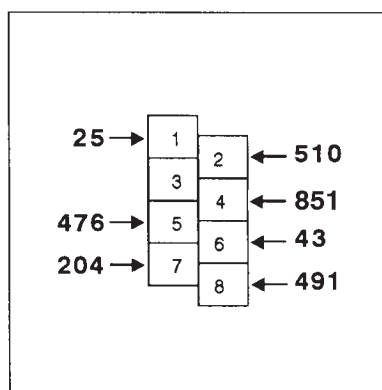


C913

70 0262B



70 0263C

C914**C917**

WIRES – CONNECTORS LINKS

Bulkhead grommet

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
1	1.0	2	173
1	0.5	1	190
1	1.0	B7	901
1	1.0	B8	901
1	2.0	B1	904
1	2.0	B2	904
1	2.0	B3	904
1	2.0	B4	904
1	2.0	B5	904
1	2.0	A1	906
3	2.0	B1	913
5	0.5	B1	914
12	1.0	B5	905
24	0.5	4	190
24	0.5	B7	905
25	2.0	A10	905
25	0.5	B8	905
25	2.0	B6	910
25	0.5	1	917
30	0.5	B2	913
37	0.5	B9	903
38	1.0	B3	913
39	0.5	B4	913
43	0.5	6	917
47	1.0	B10	903
51	0.5	B3	914
52	0.5	B4	914
53	0.5	B5	914
59	0.5	B11	912
60	1.0	B11	903
71	0.5	B12	901
72	0.5	A1	901
76	0.5	B5	913
81	0.5	A2	901
81	0.5	A10	904
82	0.5	A3	901
82	0.5	A9	904
83	0.5	A4	901
83	0.5	B7	912
84	0.5	A5	901
84	0.5	A4	910
86	0.5	B6	913

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
87	0.5	B7	913
88	0.5	A13	905
041	0.5	B4	906
043	0.5	B9	912
044	0.5	B10	912
085	0.5	B6	901
108	0.5	A1	912
141	0.5	B1	905
142	0.5	A1	905
193	0.5	A11	906
201	1.0	A2	912
204	1.0	B12	903
204	2.0	7	917
205	1.0	A4	905
208	2.0	B8	913
211	1.0	B11	910
211	1.0	A1	913
243	1.0	B8	912
244	0.5	A3	914
260	1.0	A5	912
270	1.0	B9	905
270	1.0	B10	905
273	1.0	B7	903
274	1.0	A7	912
275	2.0	A12	913
287	2.0	B11	905
291	2.0	B9	904
291	2.0	B10	904
291	2.0	B11	904
291	2.0	B1	901
299	0.5	A6	901
299	0.5	A6	904
301	1.0	B9	913
302	0.5	A1	903
304	1.0	A2	903
304	1.0	B10	913
305	1.0	A3	903
305	1.0	B11	913
307	2.0	B12	913
311	0.5	A4	903
352	0.5	B9	910
352	0.5	A2	913

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
413	1.0	A3	913
414	1.0	A4	913
437	0.5	A5	903
462	1.0	B3	905
463	2.0	A4	906
476	0.5	5	917
489	1.0	A6	903
491	0.5	8	917
495	0.5	3	918
498	0.5	1	918
501	1.0	A8	901
502	1.0	A9	901
504	1.0	A10	901
506	0.5	A6	913
509	1.0	A11	901
510	1.0	2	917
576	0.5	A5	914
602	1.0	A7	903
603	1.0	A8	903
604	1.0	A9	903
605	1.0	A10	903
606	2.0	A7	913
608	0.5	B4	905
608	0.5	A8	913
632	2.0	A10	913
634	1.0	A11	913
708	0.5	A12	901
709	0.5	A12	903
710	0.5	A13	903
802	0.5	B6	905
809	0.5	A13	913
825	0.5	A7	905
829	0.5	A11	905
846	0.5	A9	910
851	0.5	3	190
851	0.5	A7	904
851	0.5	A5	905
851	0.5	B7	910
851	0.5	A4	912
851	0.5	A8	912
851	0.5	A6	914
851	0.5	4	917

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
854	0.5	A11	910
858	0.5	A11	912
867	0.5	A12	910
873	0.5	A12	912
874	0.5	A13	912
0012	0.5	1	173
0012	0.5	A3	904
0012	0.5	A3	905
0012	0.5	A9	905
0012	0.5	B4	910
0013	0.5	3	173
0013	0.5	A2	904
0013	0.5	A2	905
0013	0.5	A8	905
0013	0.5	B3	910
0056	0.5	B2	905
2016	1.0	A9	906
2017	0.5	B1	906
2018	0.5	B2	906
2025	1.0	B5	910
2059	0.5	A3	912
2067	0.5	4	173
2067	0.5	B12	905
4017	0.5	A5	906
4019	2.0	7	171
4019	2.0	A7	906
4020	2.0	5	171
4020	2.0	A3	906
4021	2.0	3	171
4021	2.0	A2	906
4022	0.5	A6	906
4023	0.5	A8	906
4024	0.5	A10	906
4025	0.5	A12	906
4026	0.5	A13	906
4028	2.0	8	171
4030	2.0	6	171
4050	2.0	4	171
4052	1.0	B8	903
4052	1.0	B7	904
5001	2.0	B1	910

Wire N°	Wire section (mm ²)	Connectors	
		Terminal	Number
8035	0.5	2	190
8072	0.5	A5	913

CONNECTION UNIT
Fuses and relays box
Internal diagram

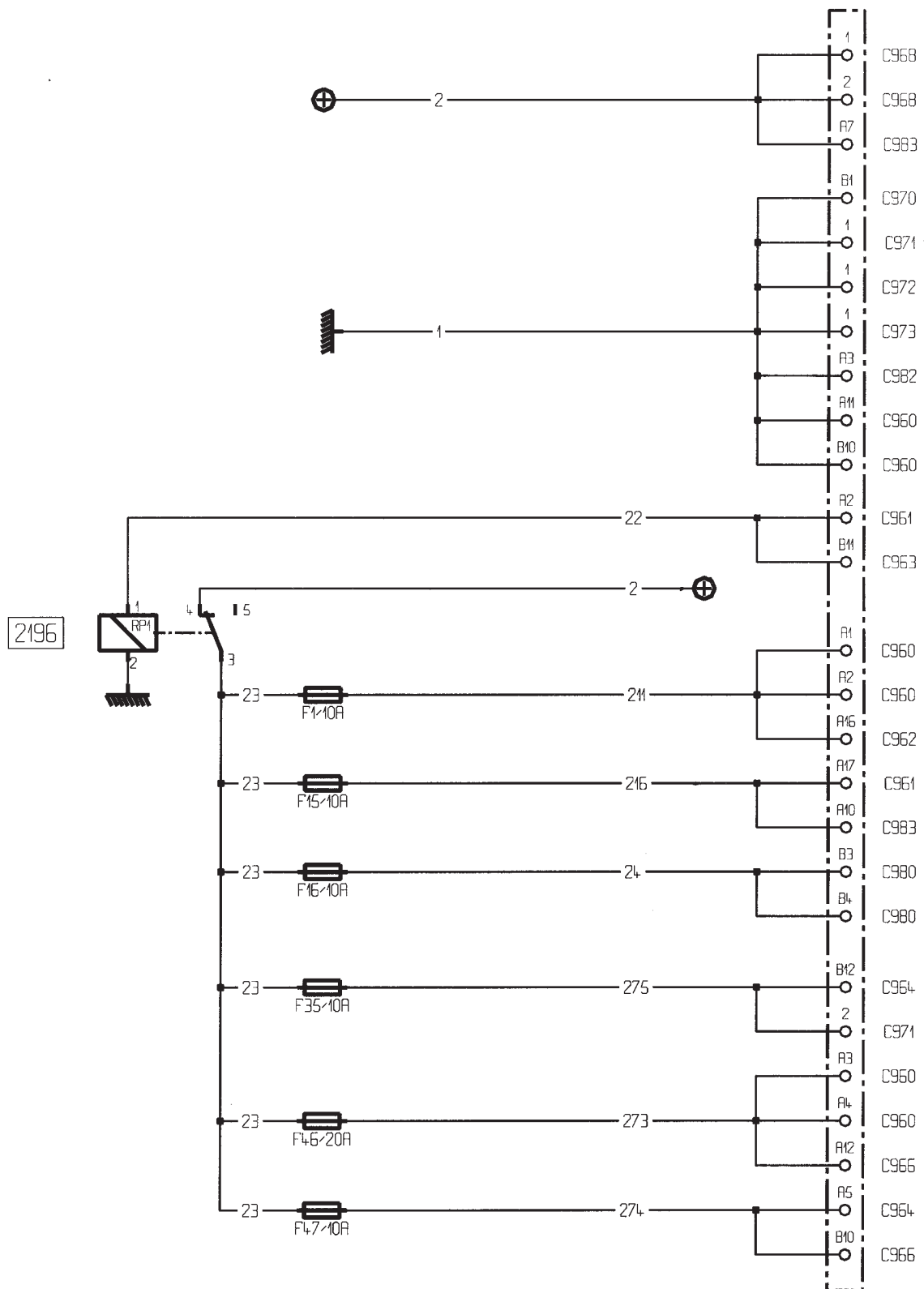
Connection unit – Fuses and relays box

Relays

Item	Assignment	Plate
RP1	2121 – Power after ignition relay	01
RP2	2121 – Power after ignition relay	02
R5	3618 – Side/parking lights relay	03
R6	4136 – Comfort accessories relay	02
R8	3662 – Lighting relay	04
R9	6214 – Fog driving lights relay	04
R10	3513 – Fog lights relay	04
R11	6119 – Dipped beam headlights relay	03
R12	6121 – Main beam headlights relay	05
R14	3512 – Stop lights relay	05
R17	2158 – Available relay	02
R20	4126 – Defrosting rearview mirrors relay	03
R25	5300 – Windscreen wiper speed controller relay	06
R40	2158 – Available relay (future link)	02
R43	9210 – ECU power supply relay	05
R46	4583 – Air conditioning compressor relay	03
R47	2158 – Available relay	05
R48	2158 – Available relay	05
R49	4545 – Conditioned air relay	02
R53	5310 – Headlamps wash time–delay relay	04
R55	8546 – Self-tracking axle safety relay	06

Fuses

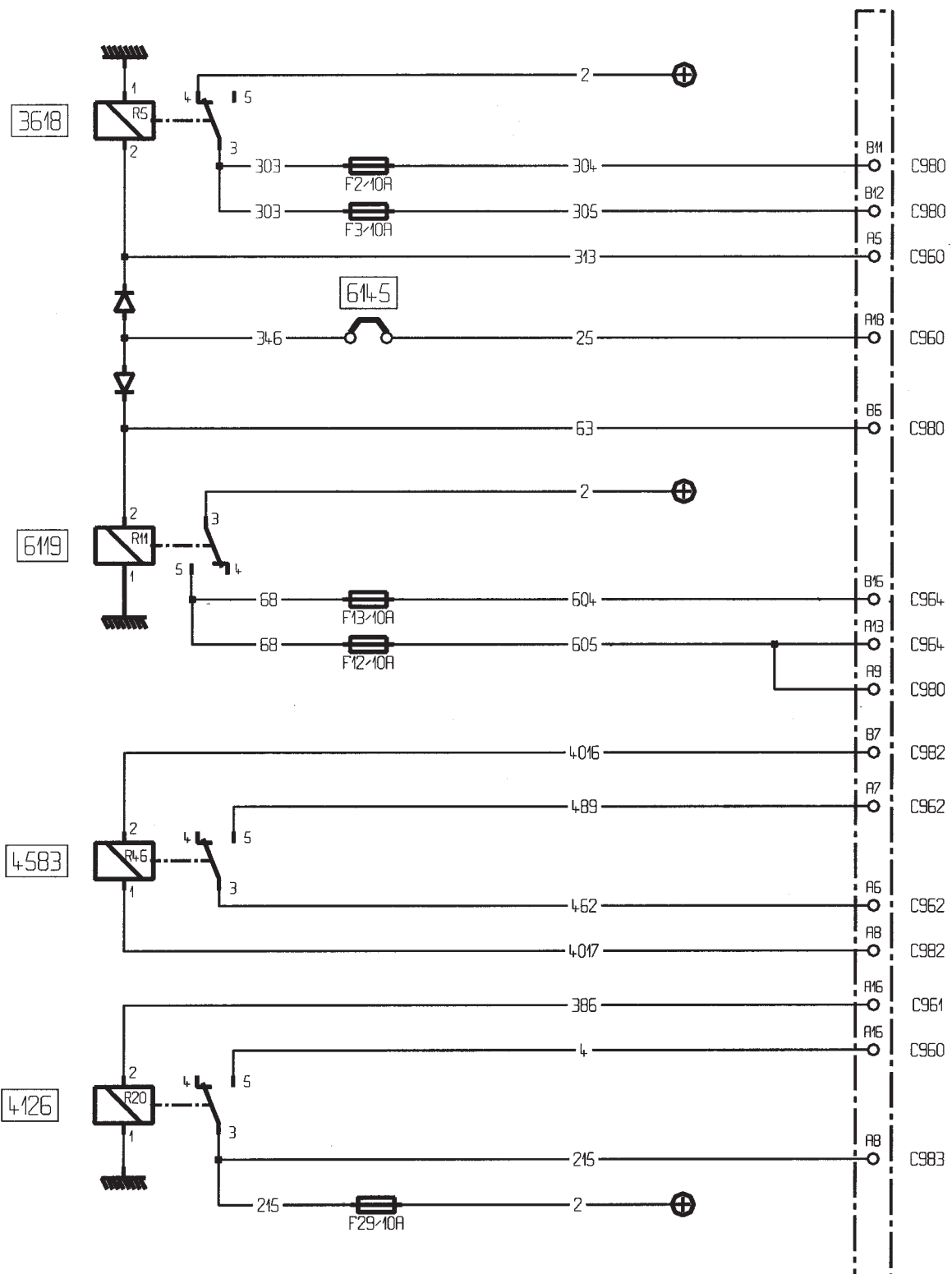
Item	Plate	Item	Plate	Item	Plate
F1	01	F21	06	F42	06
F2	03	F22	02	F43	06
F3	03	F23	06	F45	06
F4	04	F24	02	F46	01
F5	04	F25	06	F47	01
F6	04	F26	06	F49	02
F8	04	F27	05	F50	06
F9	04	F29	03	F51	02
F10	05	F30	02	F53	06
F11	05	F32	04	F54	02
F12	03	F33	06	F55	02
F13	03	F34	06	F56	02
F15	01	F35	01	F57	05
F16	01	F37	06	F58	05
F18	02	F38	02	F60	02
F20	06	F40	05		



706307

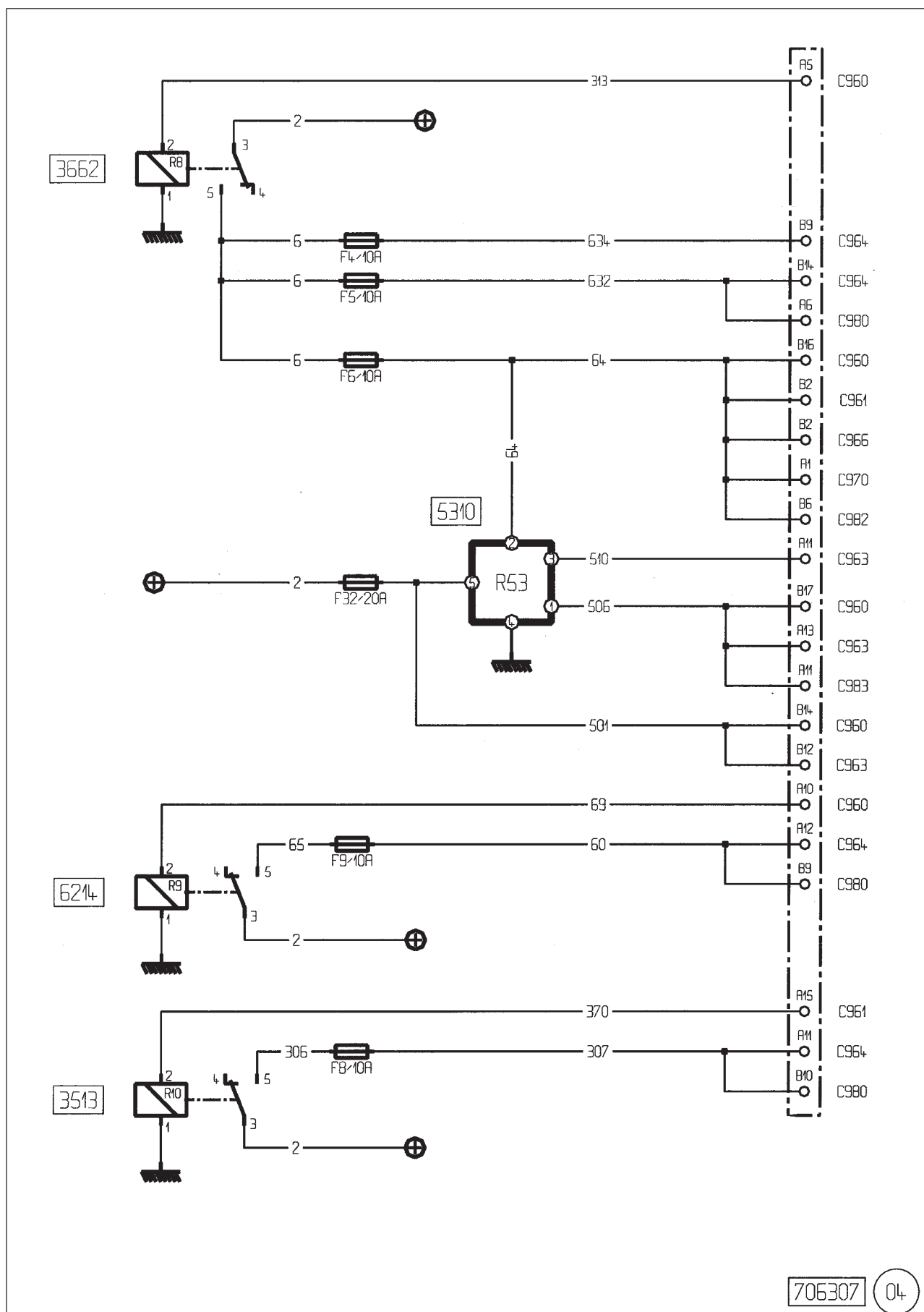
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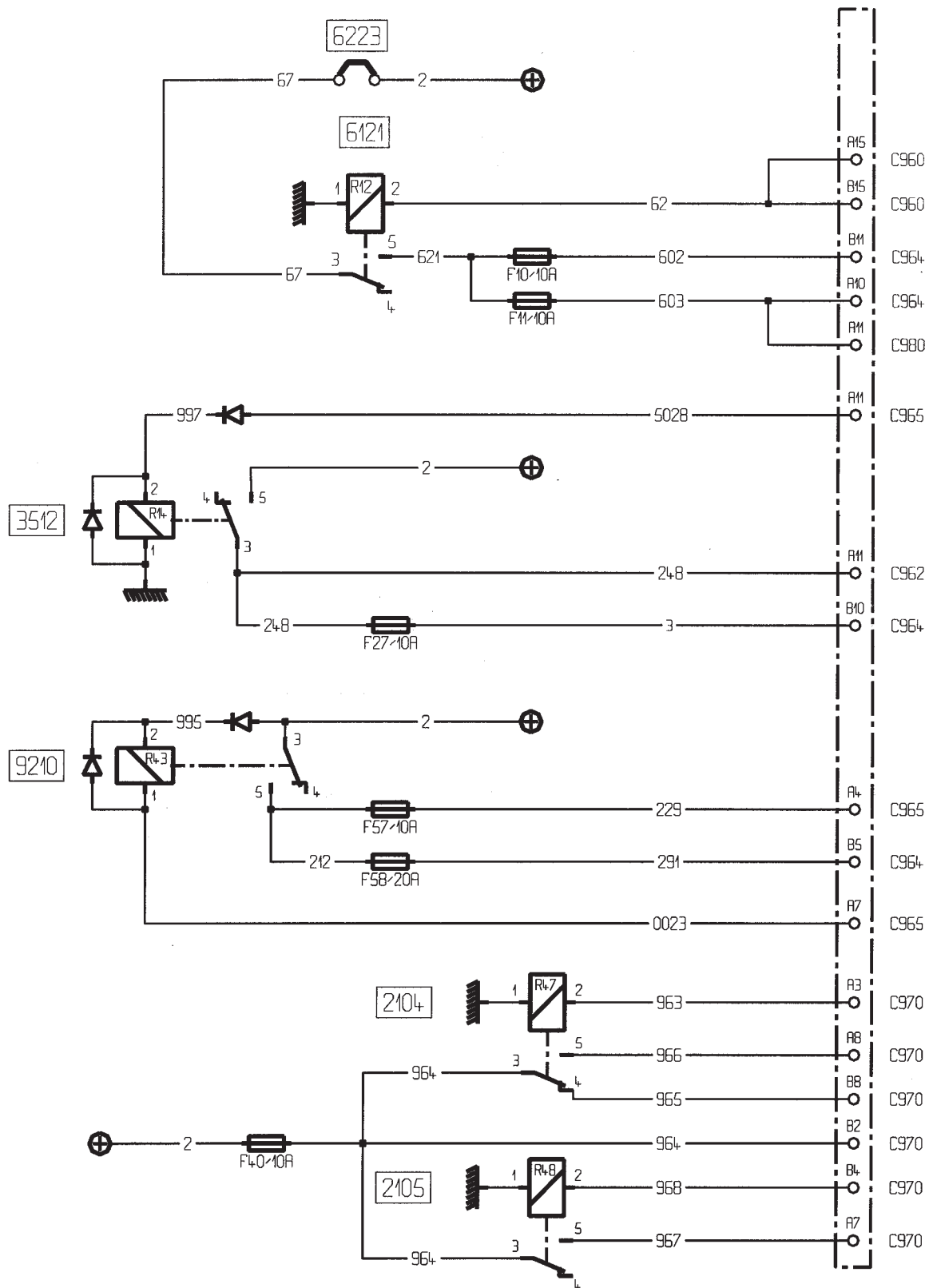




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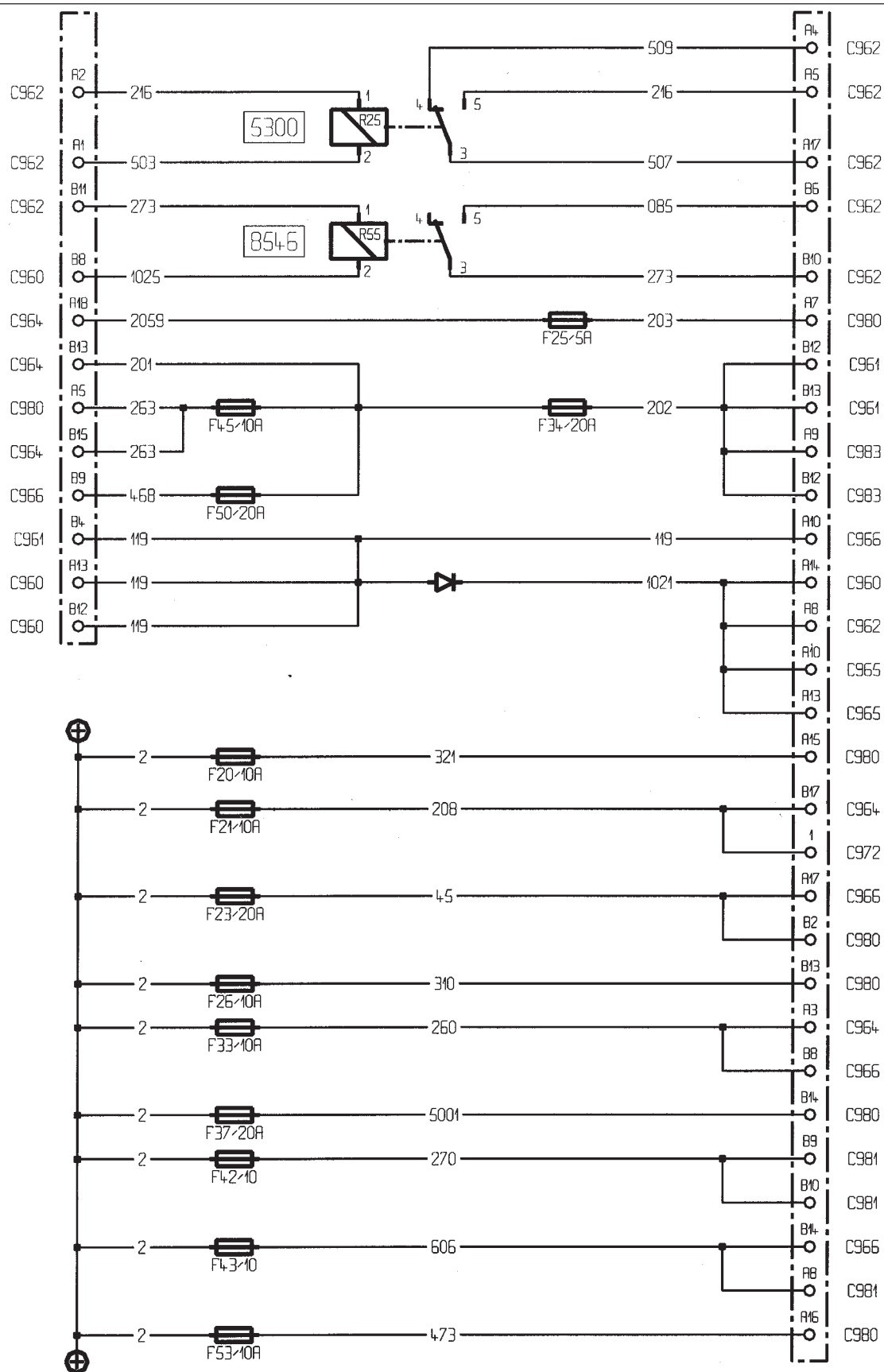
03





706307

05



706307

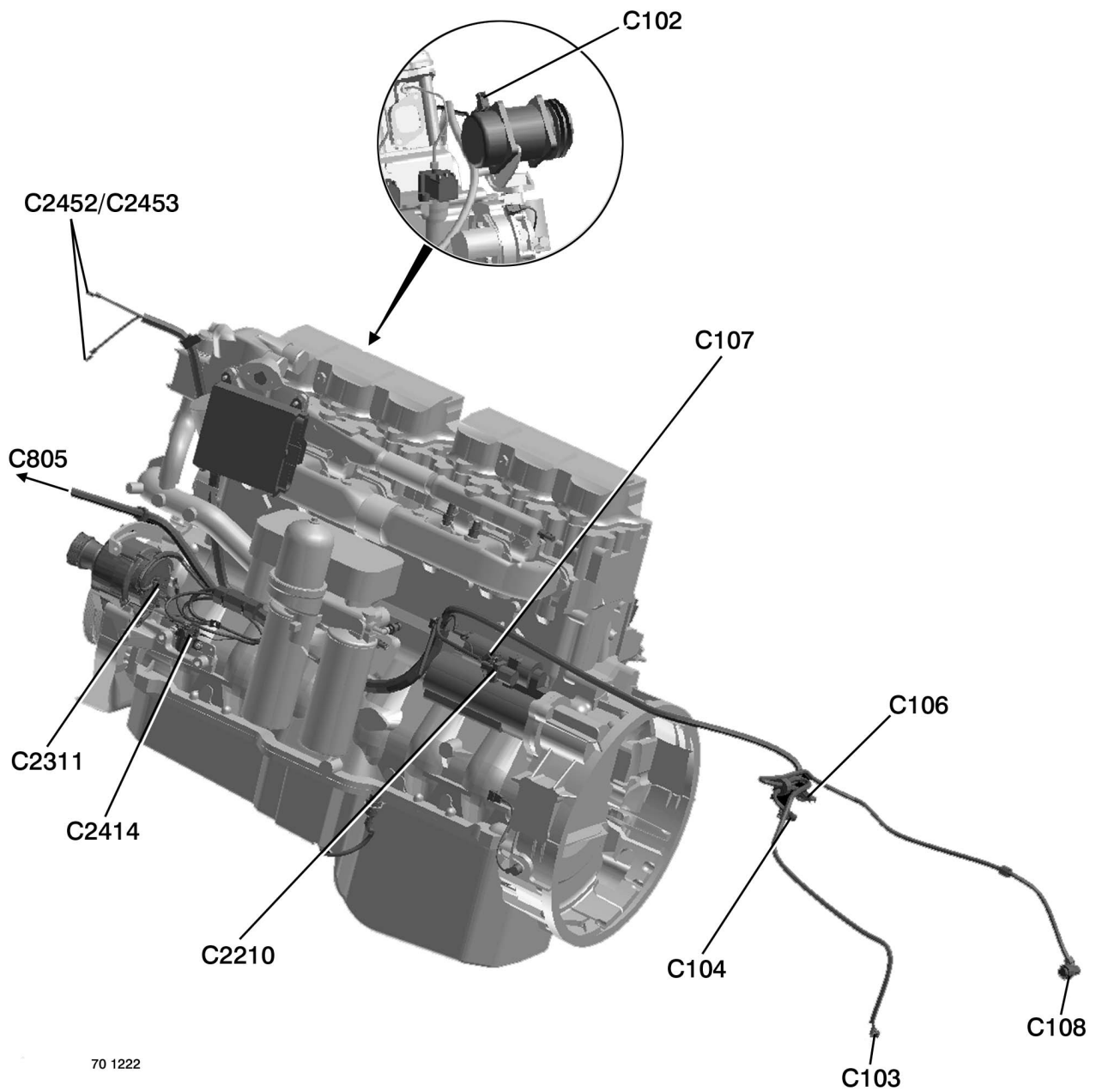
06

POWER UNIT WIRING HARNESSES

wiring harnesses

Connectors	Assignments
C102	4512 – Air conditioning compressor
C103	8461 – Vehicle speed sensor
C104	8466 – Neutral switch
C106	8472 – Reverse gear switch
C107	2224 – Shunt (engine starting, cab tilted)
C108* ¹	8366 – Power take-off switch
C2210	2210 – Starter with integrated relay
C2311	2311 – Alternator
C2414	2414 – Preheating relay
C2452	2452 – Preheating resistor N° 1
C2453	2453 – Preheating resistor N° 2
C8284	8284 – Servo-steering oil pressure switch

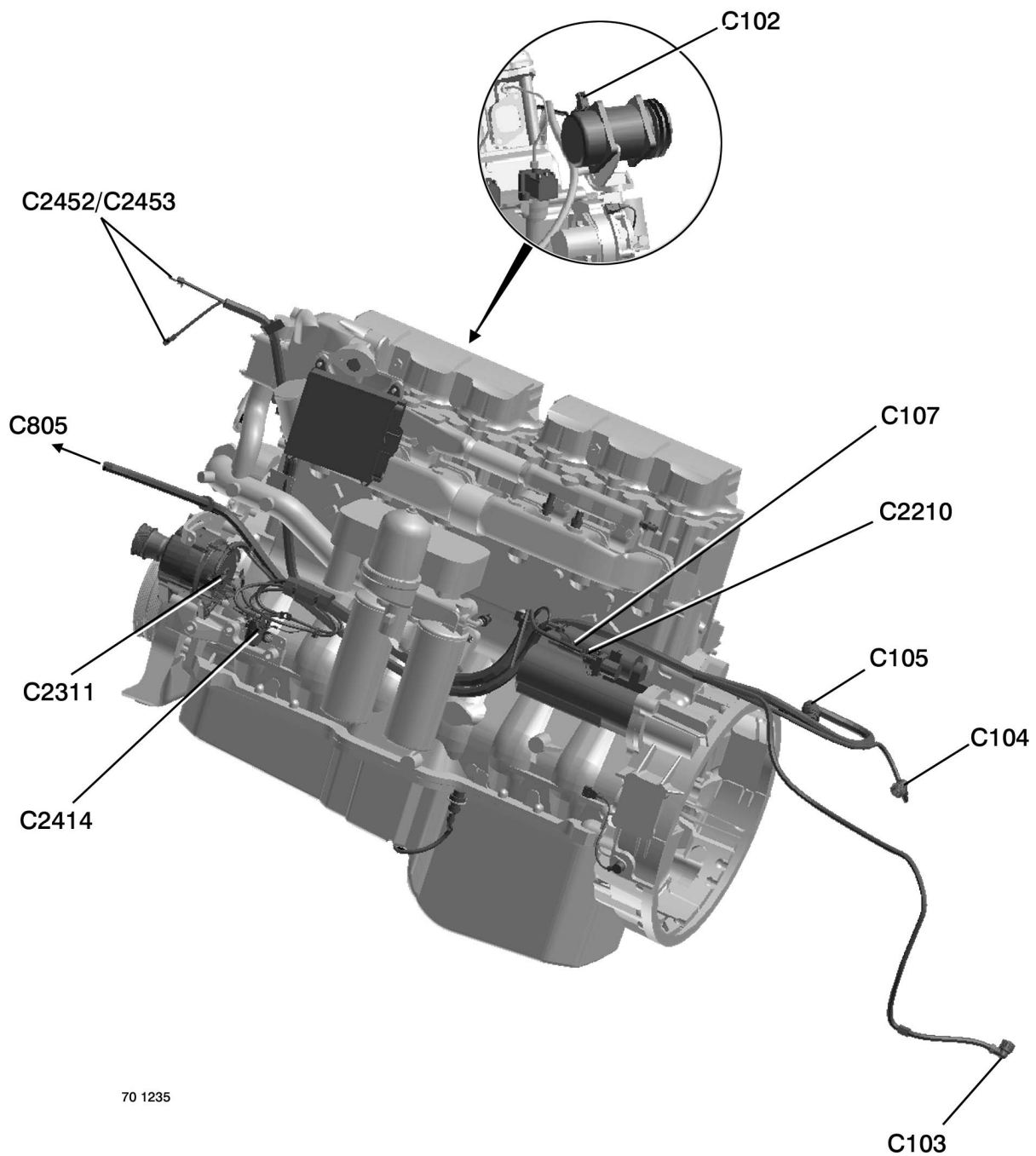
Links between harnesses**C805 → C905 (F17)****Option 1 (*¹) includes : C108**

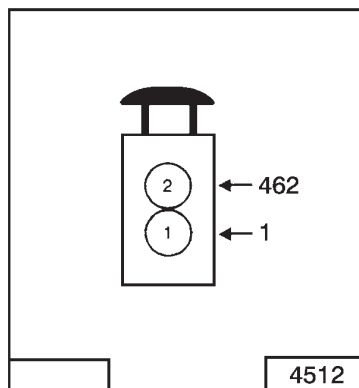


wiring harnesses

Connectors		Assignments
C102	.....	4512 – Air conditioning compressor
C103	.....	8461 – Vehicle speed sensor
C104	.....	8466 – Neutral switch
C105	.....	8604 – “ASTRONIC” ECU
C107	.....	2224 – Shunt (engine starting, cab tilted)
C2210	.....	2210 – Starter with integrated relay
C2311	.....	2311 – Alternator
C2414	.....	2414 – Preheating relay
C2452	.....	2452 – Preheating resistor N° 1
C2453	.....	2453 – Preheating resistor N° 2
C8284	.....	8284 – Servo-steering oil pressure switch

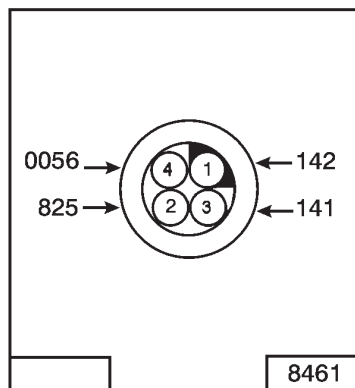
Links between harnesses**C805 → C905 (F17)**





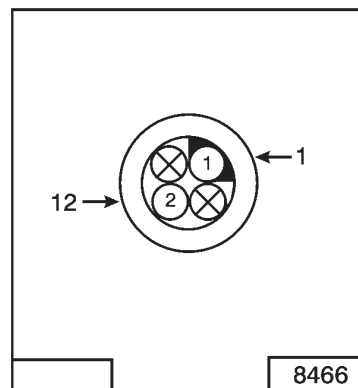
C102

4512



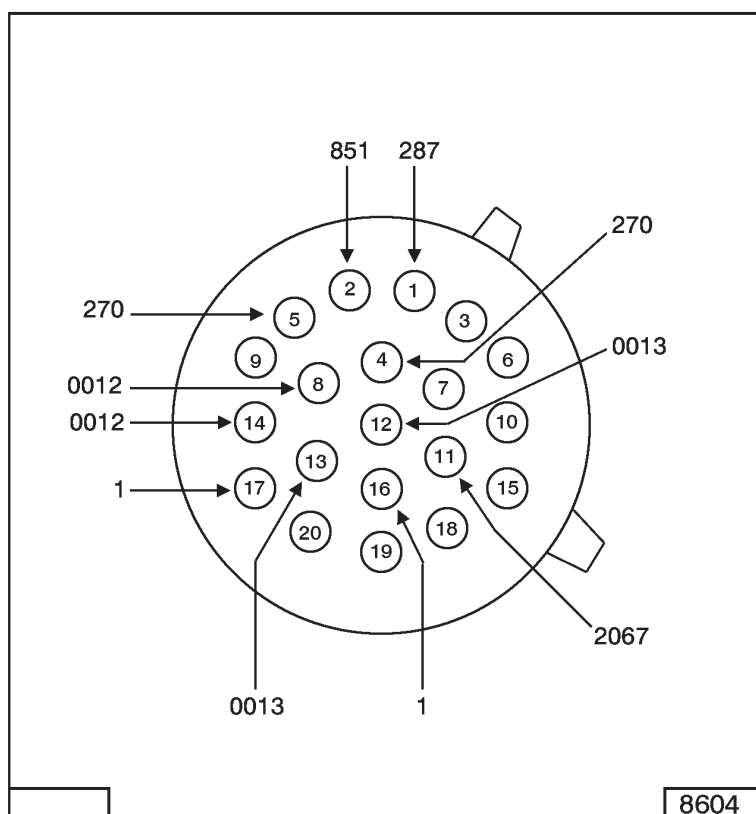
C103

8461



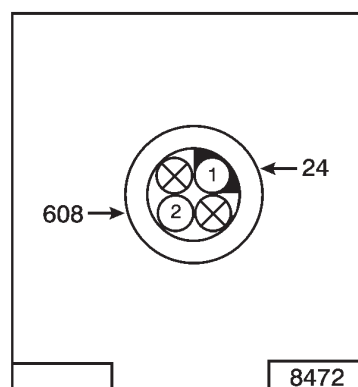
C104

8466



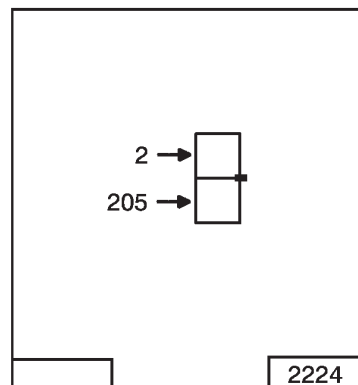
C105

8604



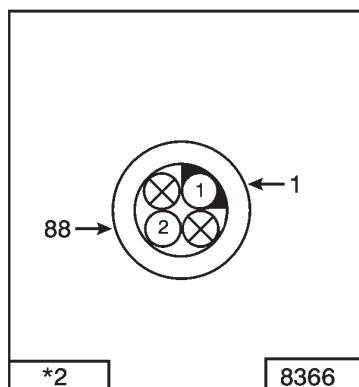
C106

8472



C107

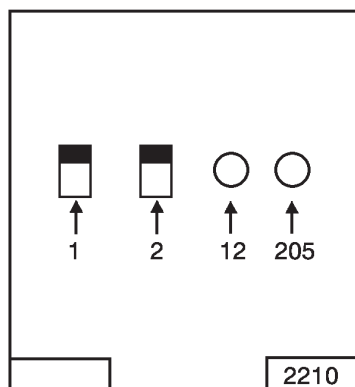
2224



C108

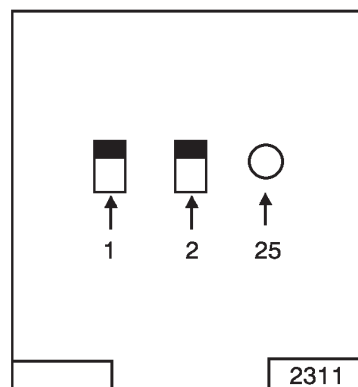
*2

8366



C2210

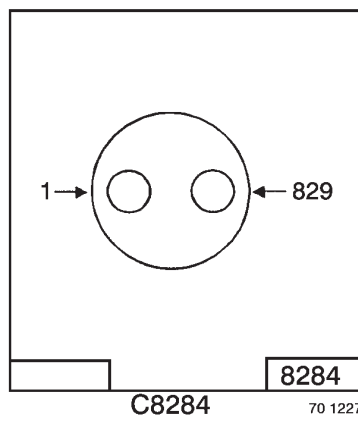
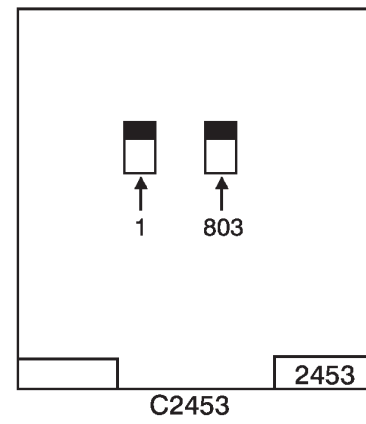
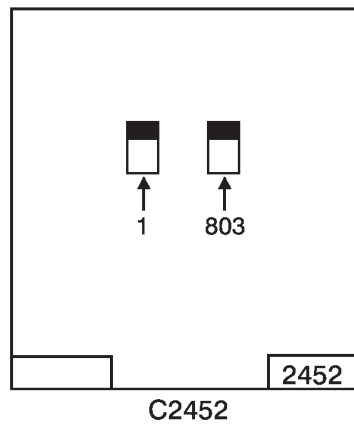
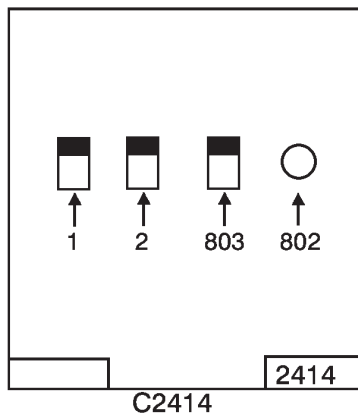
2210



C2311

2311

70 1223



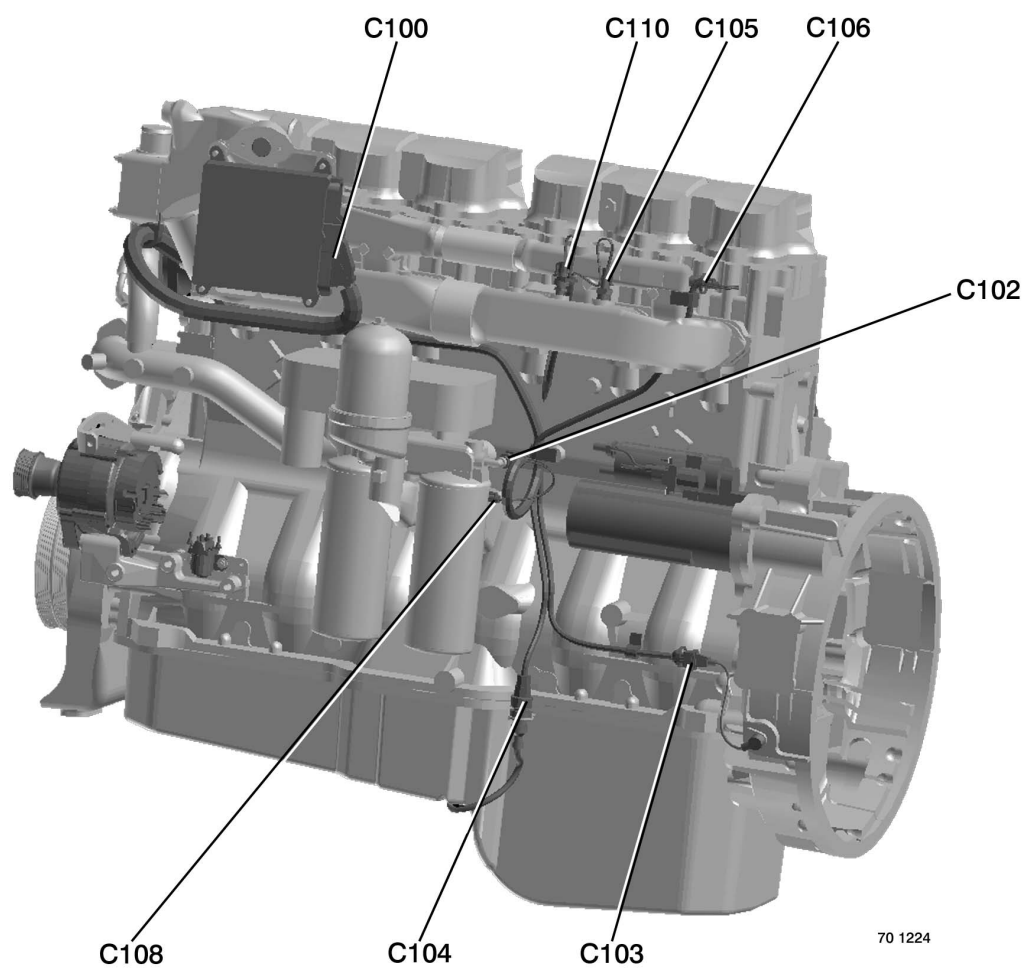
70 1227

ENGINE WIRING HARNESSES

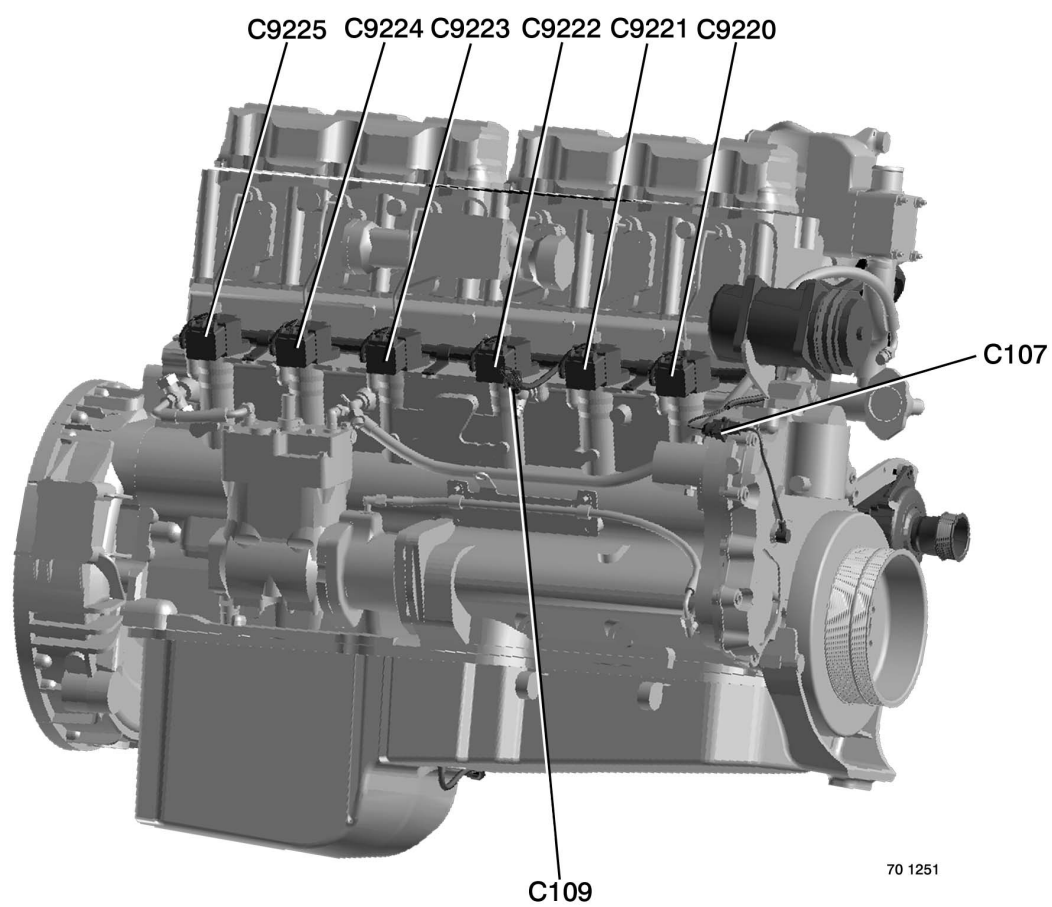
Engine MIDR 06.24.65 wiring harnesses

Connectors	Assignments
C100	9202 – Engine master ECU “EECU”
C102	7368 – Oil pressure sensor
C103	9228 – Engine flywheel speed sensor
C104	8275 – Engine oil level sensor
C105	8286 – Turbo charge air temperature sensor
C106	7362 – Coolant temperature sensor
C107	9230 – Camshaft speed sensor
C108	9226 – Engine oil temperature sensor
C109	7415 – Fuel temperature sensor
C110	8285 – Turbo charge air pressure sensor
C7940 ^{*1}	7940 – Jake engine–brake solenoid valve N° 1
C7941 ^{*1}	7941 – Jake engine–brake solenoid valve N° 2
C9220	9220 – Injection control solenoid valve N° 1
C9221	9221 – Injection control solenoid valve N° 2
C9222	9222 – Injection control solenoid valve N° 3
C9222	9223 – Injection control solenoid valve N° 4
C9224	9224 – Injection control solenoid valve N° 5
C9225	9225 – Injection control solenoid valve N° 6

Option 1 (*1) includes : **C7940, C7941**

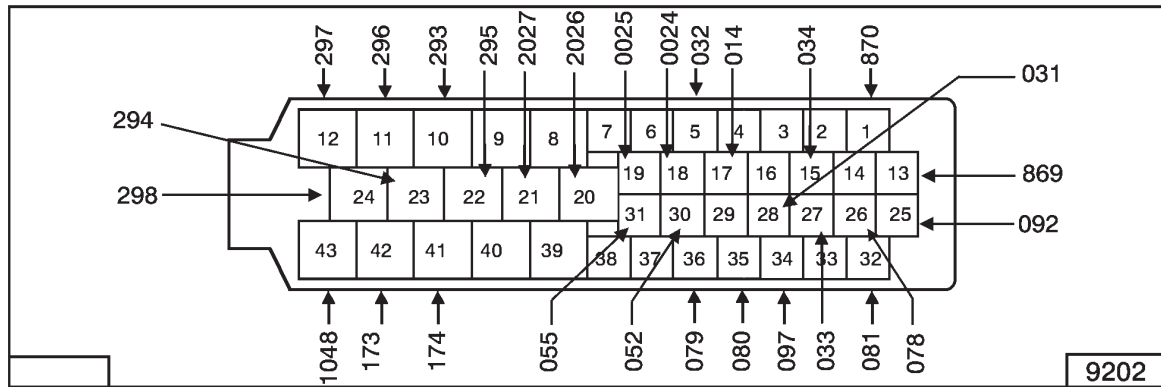


70 1224

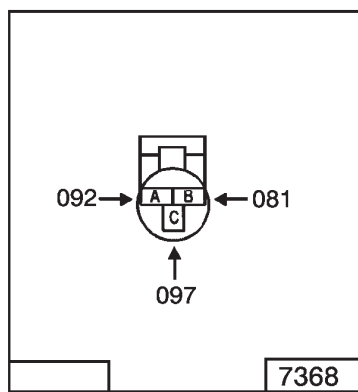


70 1251

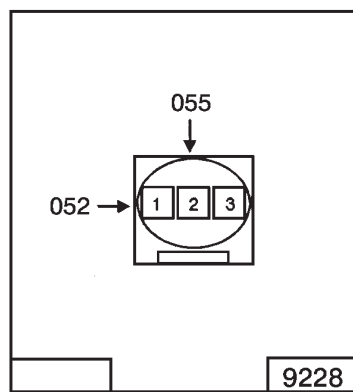
C109



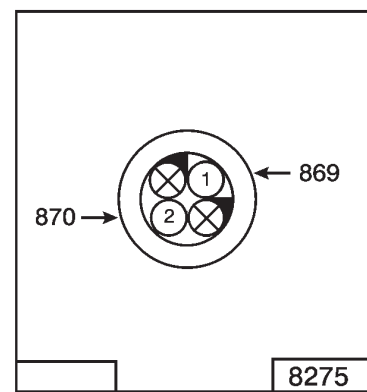
C100



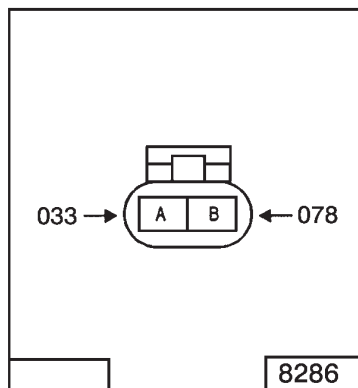
C102



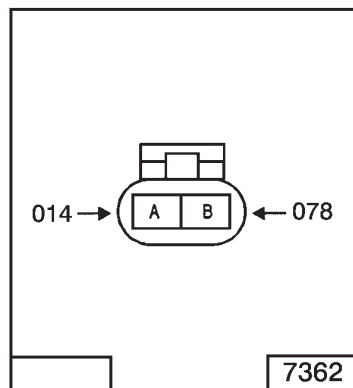
C103



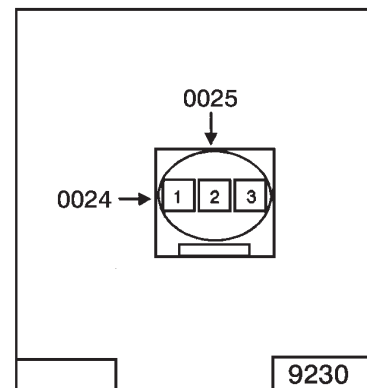
C104



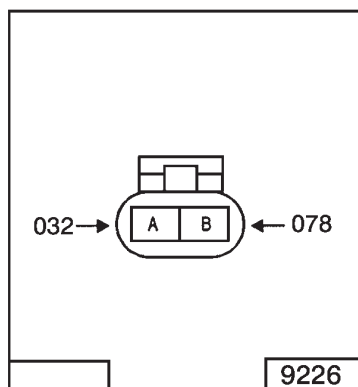
C105



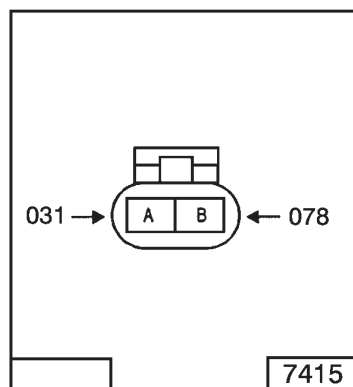
C106



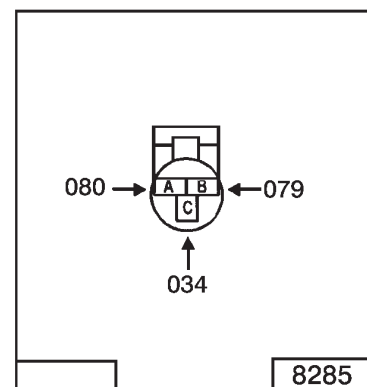
C107



C108

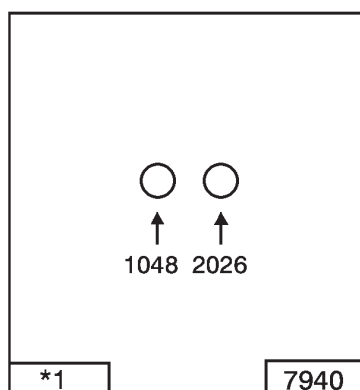


C109

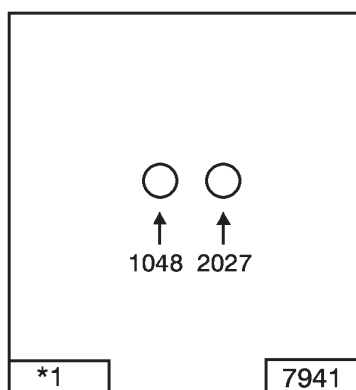


C110

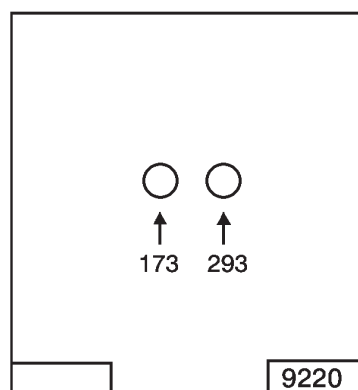
70 1225



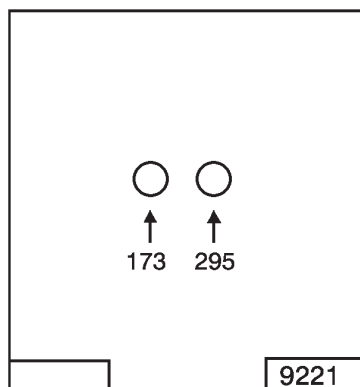
C7940



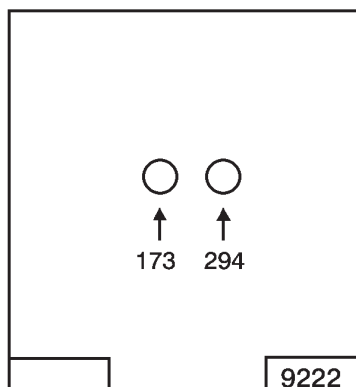
C7941



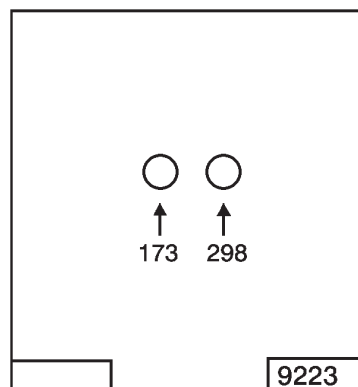
C9220



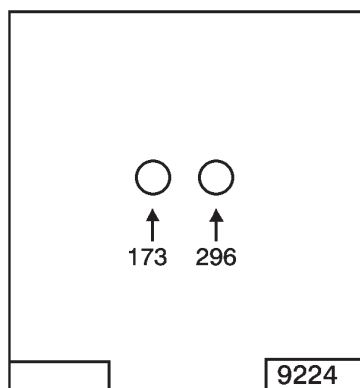
C9221



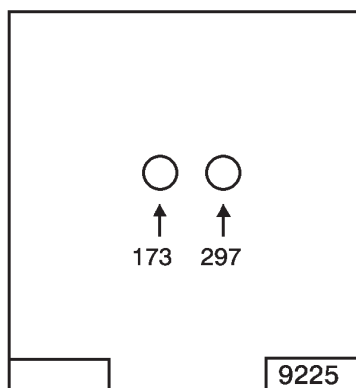
C9222



C9223



C9224



C9225

70 1226

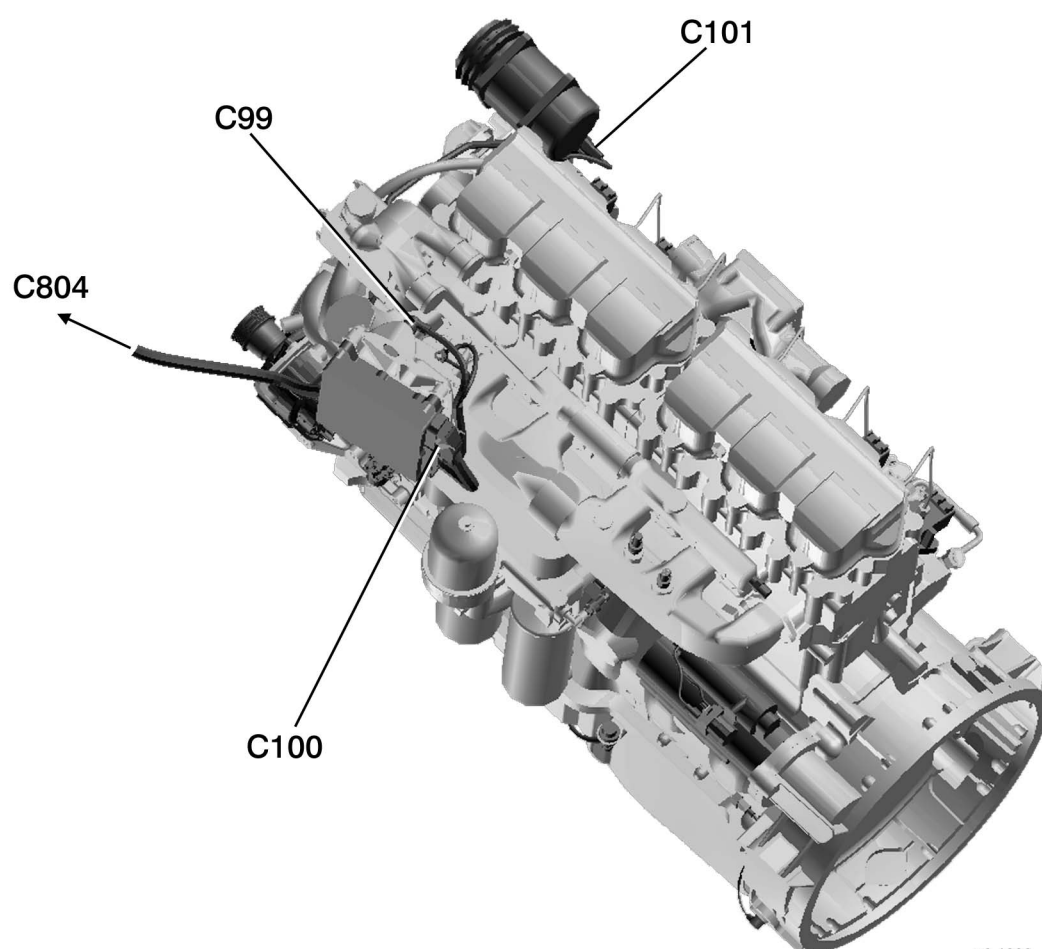
FUEL-INJECTION ELECTRONIC MANAGEMENT WIRING HARNESSES

Fuel-injection electronic management wiring harnesses**Connectors****Assignments**

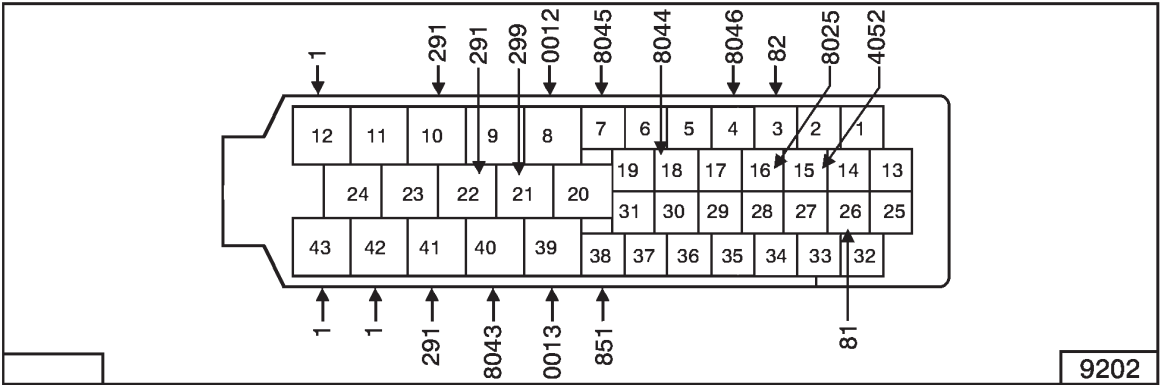
C99 2266 – Engine stop control (cab tilted)
C100 9202 – Engine master ECU “EECU”
..... 8228 – Variable drive fan

Links between harnesses

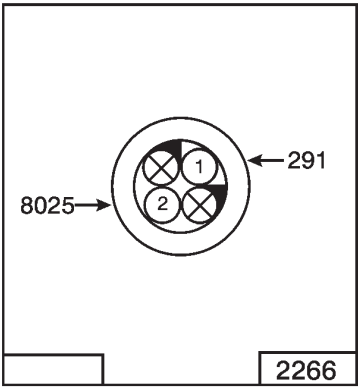
C804 → C904 (F17)



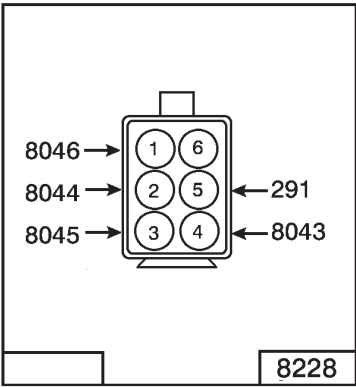
70 1228



C100



C99



C101

70 1229