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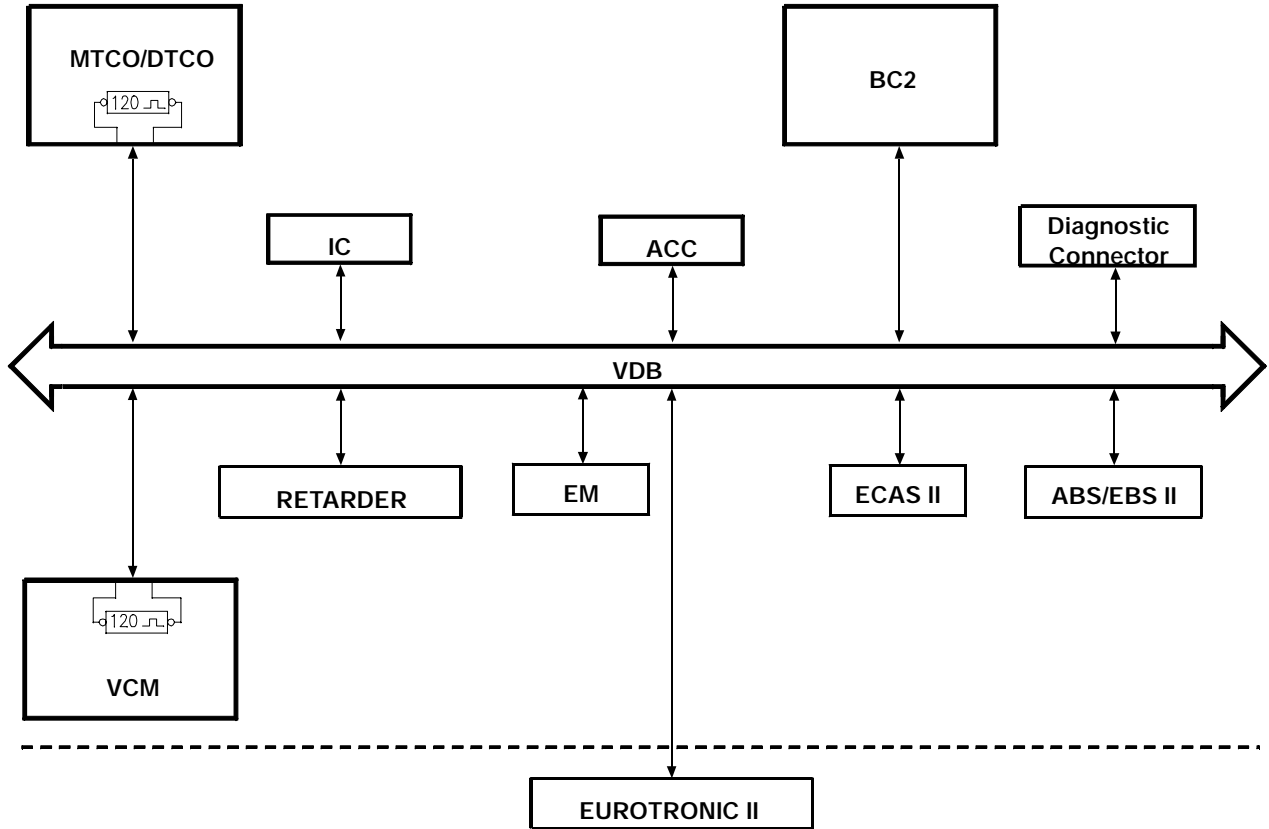
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VDB (Vehicle Data Bus) Communication Line

Allows the electronic systems on the vehicle to dialogue. The units connected to it are: Eurotronic Transmission, Retarder, EBS, Ecas, Diagnosis connector, VCM, Tachograph, ACC and EM
 This line also dialogues with the Cluster and the Body Computer.

Figure 2



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Features

- Data transmission speed 250.000 (BIT/SEC)
- Color of the wire Black

List of Units

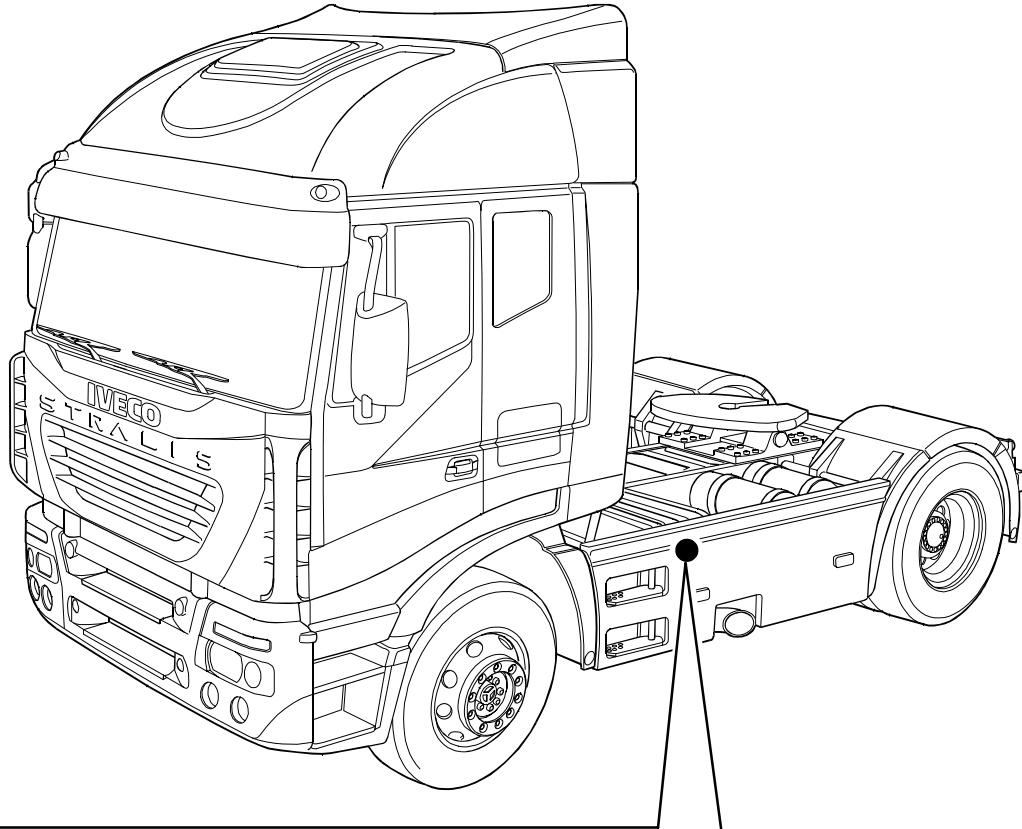
Ref.	Description
MTCO	Tachograph
DTCO	Digital Tachograph
VCM	Vehicle Control Module Unit
IC	Cluster
BC2	Body Computer
Diagnostic Connector	30 pole diagnosis connector
ABS	ABS Unit
EBS II	EBS II Unit
RETARDER	Intarder Unit
ECAS II	Pnuematic suspension unit
EUROTRONIC II	Eurotronic II automatic transmission unit
ACC	ACC (Adaptive Cruise Control) Unit
EM	Expansion Module

Blue wall pass "D"

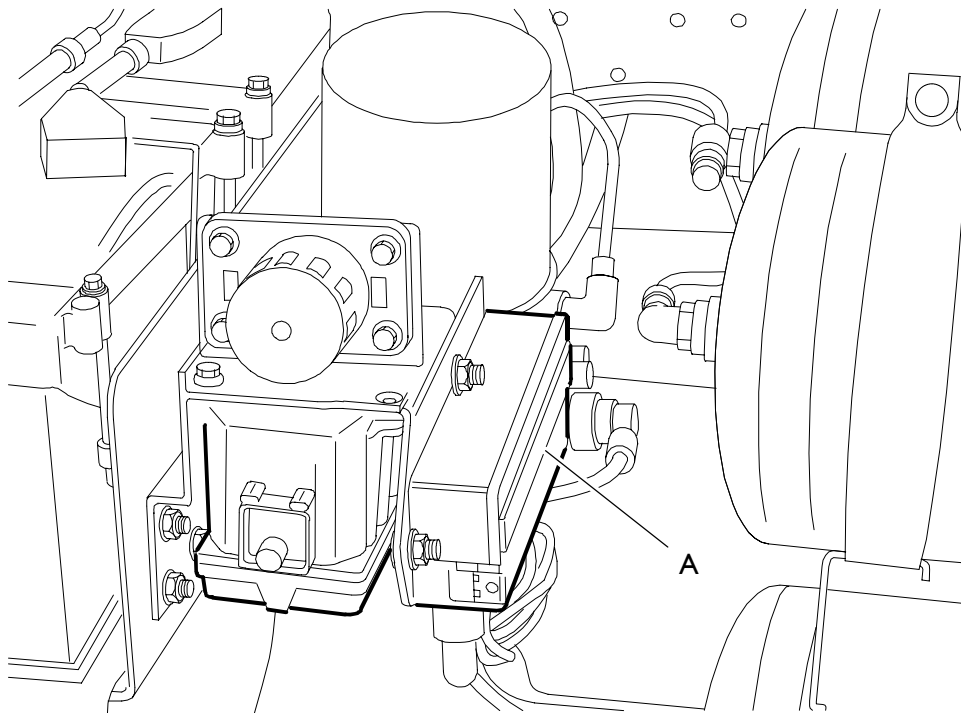
Pin	Function	Cable colour code
1	TGC opening signal	8101
2	Eurotronic ground	0000
3	Electric selector with automatic transmission (power supply from the control unit) / Positive for splitter gear activation solenoid (9 speed gearbox)	6100/9973
4	Transmission warning horn grounding / Positive for normal gear activation solenoid (9 speed gearbox)	1101/9974
5	Free	-
6	Eurotronic power supply (+30)	7101
7	Eurotronic diagnosis K line	2297
8	Automatic transmission electronic control unit CAN - L line (VDB)	GN/VE
9	Automatic transmission electronic control unit CAN - H line (VDB)	WS/BI
10	Automatic transmission electronic control unit CAN - L line (VDB)	GN/VE
11	Automatic transmission electronic control unit CAN - H line (VDB)	WS/BI
12	Free	-
13	Free	-
14	Water temperature transmitter for decelerator	0309
15	Water temperature transmitter for decelerator	5309
16	Decelerator oil accumulator solenoid valve	9311
17	Decelerator oil accumulator solenoid valve	0311
18	Decelerator deactivation solenoid valve (proportional solenoid valve)	9310
19	Decelerator actuation solenoid valve (proportional solenoid valve)	0310
20	"K" line for auxiliary water heater control unit diagnostic / Power supply to auxiliary water heater dosing pump	2295 / 7783
21	Auxiliary heater power supply by means of switch	7775
22	Auxiliary heater control with passage for microswitch on heating tap control lever	7506
23	Windscreen heating, control and defrosting motor power supply	7711
24	Auxiliary heater power supply	7708
25	Free	-
26	Auxiliary water heater	GN/VE
27	CAN - H line (BCB)	WS/BI
28	CAN - L line (BCB)	GN/VE
29	CAN - H line (BCB)	WS/BI
30	Solenoid valve power supply for water circulation block in the engine circuit or cabin with auxiliary heater	9506
31	Auxiliary heater ON optical indicator power supply	6605
32	Free	-
33	ADR dynamic control	8876
34	+30 power supply	8876
35	Ground (TGC ADR)	0000
36	Free	-
37	TGC opening signal from the switch	0176
38	TGC closing signal from the switch	0178
39	Power supply to heated fuel pre-filter	7753
40	Free	-

SUPPLEMENTARY FUSES (70000)

They are located on the left side of the vehicle, next to the batteries and the TGC. The fuse compartment can be accessed by levering on the two springs available on cover (A).

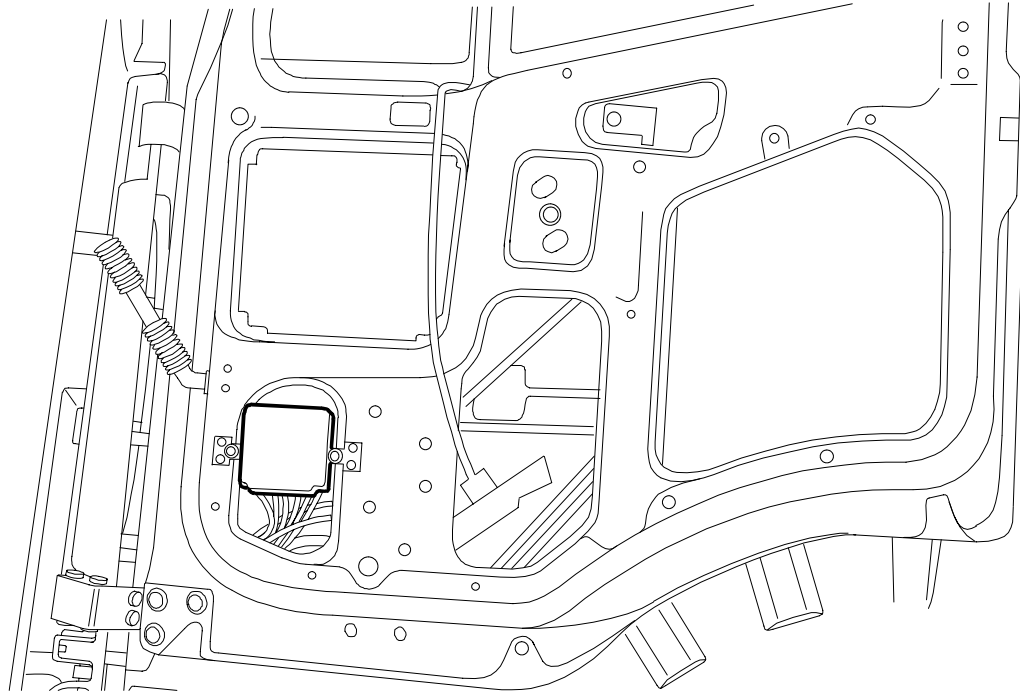
Figure 22

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A. Auxiliary fuse holder

D.D.M. / P.D.M.**Figure 45**

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These centers manage all the functions appertaining to the two vehicle doors, namely:

- mirror heating
- mirror adjustment
- window lifter
- centralized lock.

They are located inside the vehicle door and removal is as follows:

1. remove the door lining;
2. disassemble the loudspeaker tray by removing the three fastening screws;
3. take DDM off the tray by removing the two fastening screws
4. disconnect the three electric connection adapters.

Disassembling operations are the same for both doors.

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Chart 6: Positive after TGC (+30)_3 (AS)

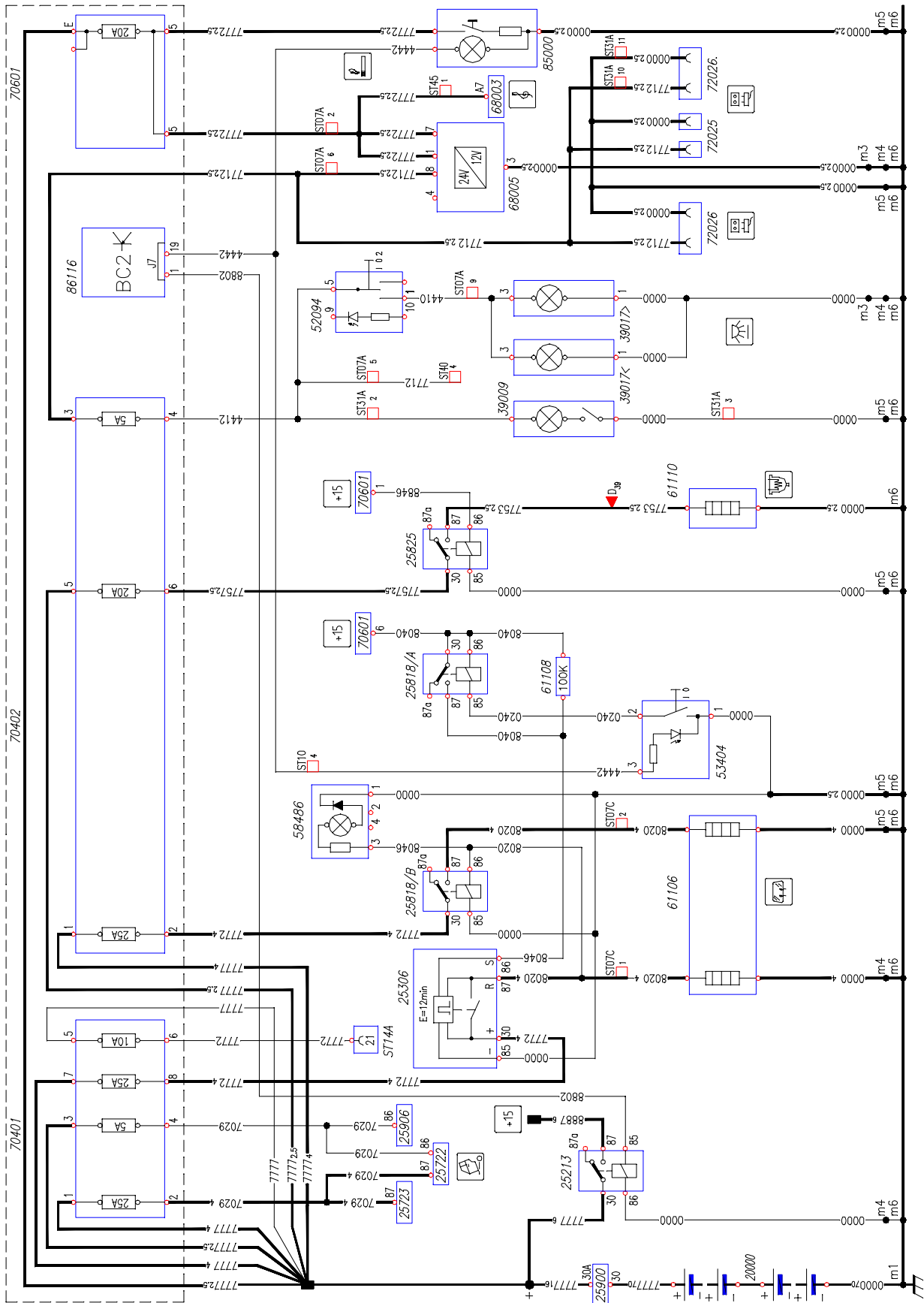


Chart I2: Body Computer (BC2)_J7

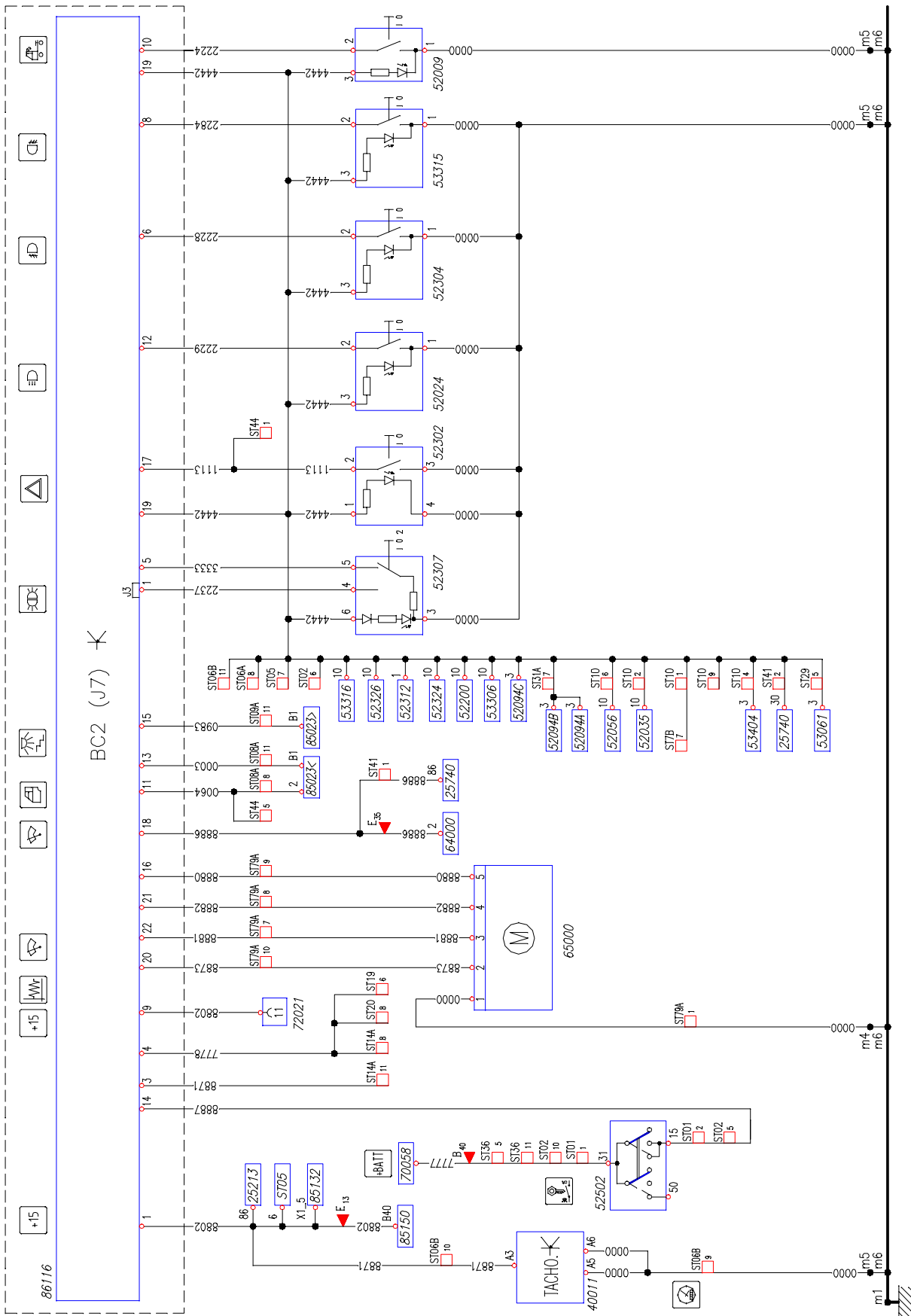


Chart 33: EDC (Connector A/C - F2B)

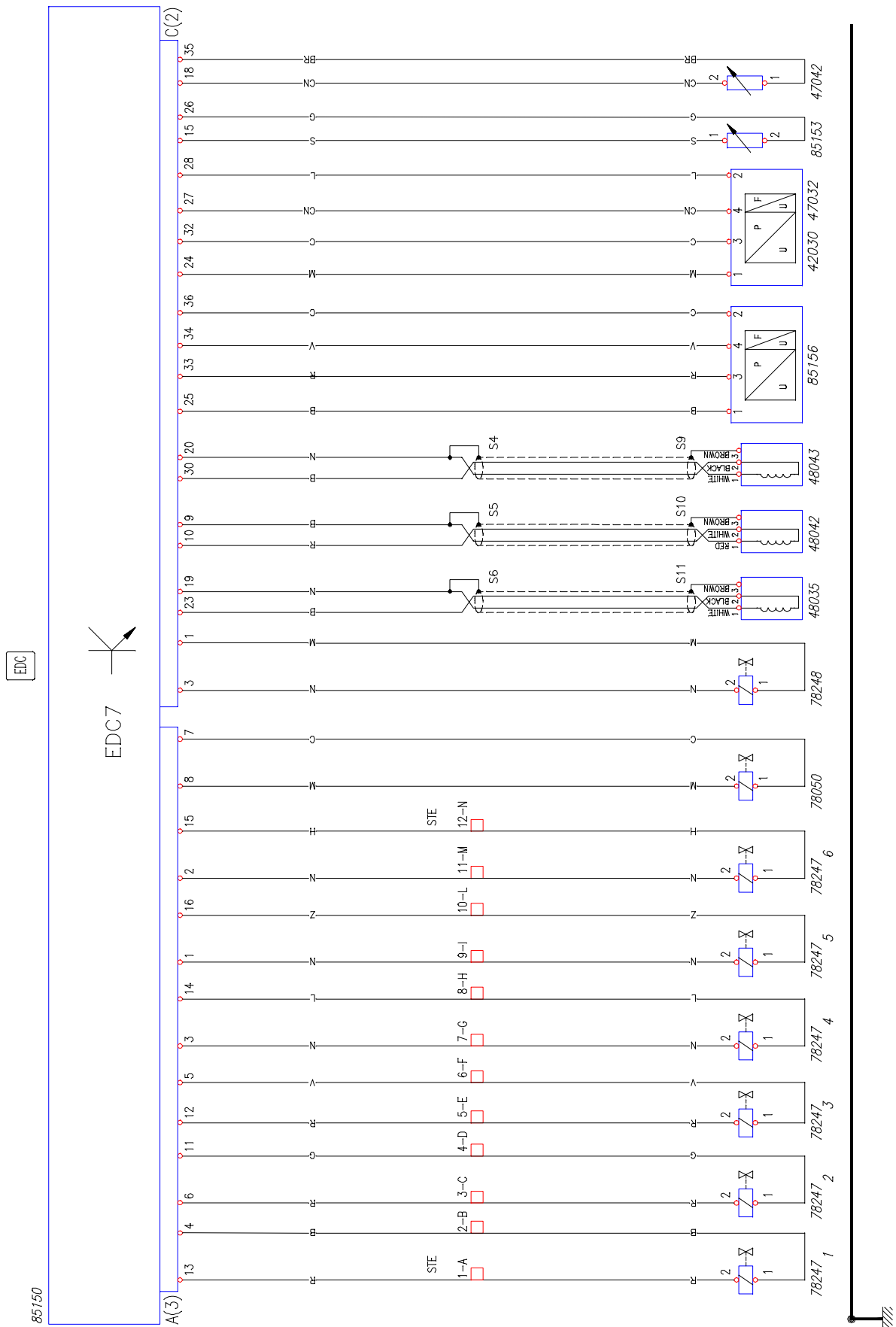


Chart 45: ECAS 4x2 P (TRACTOR)

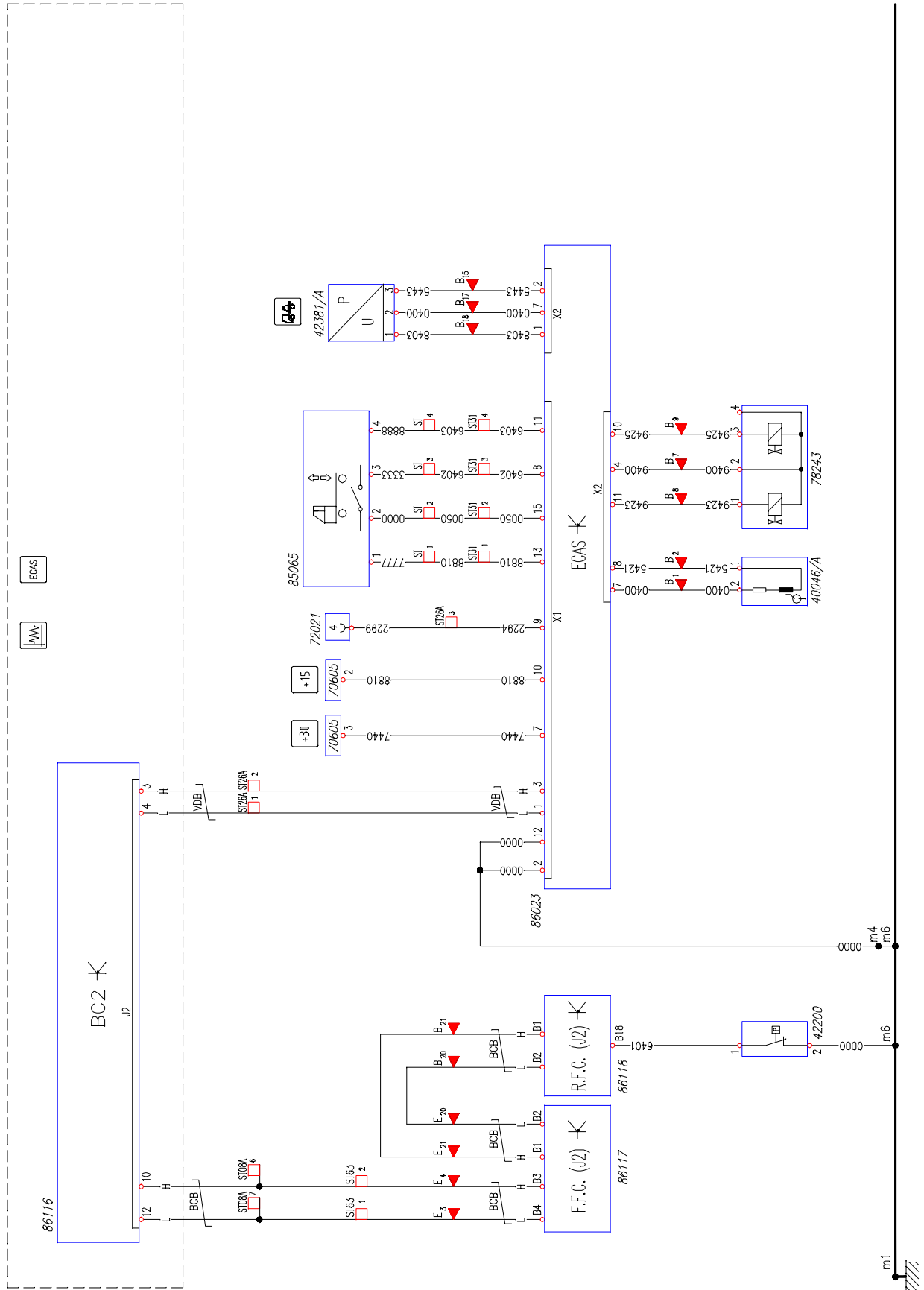


Chart 53: EBS2

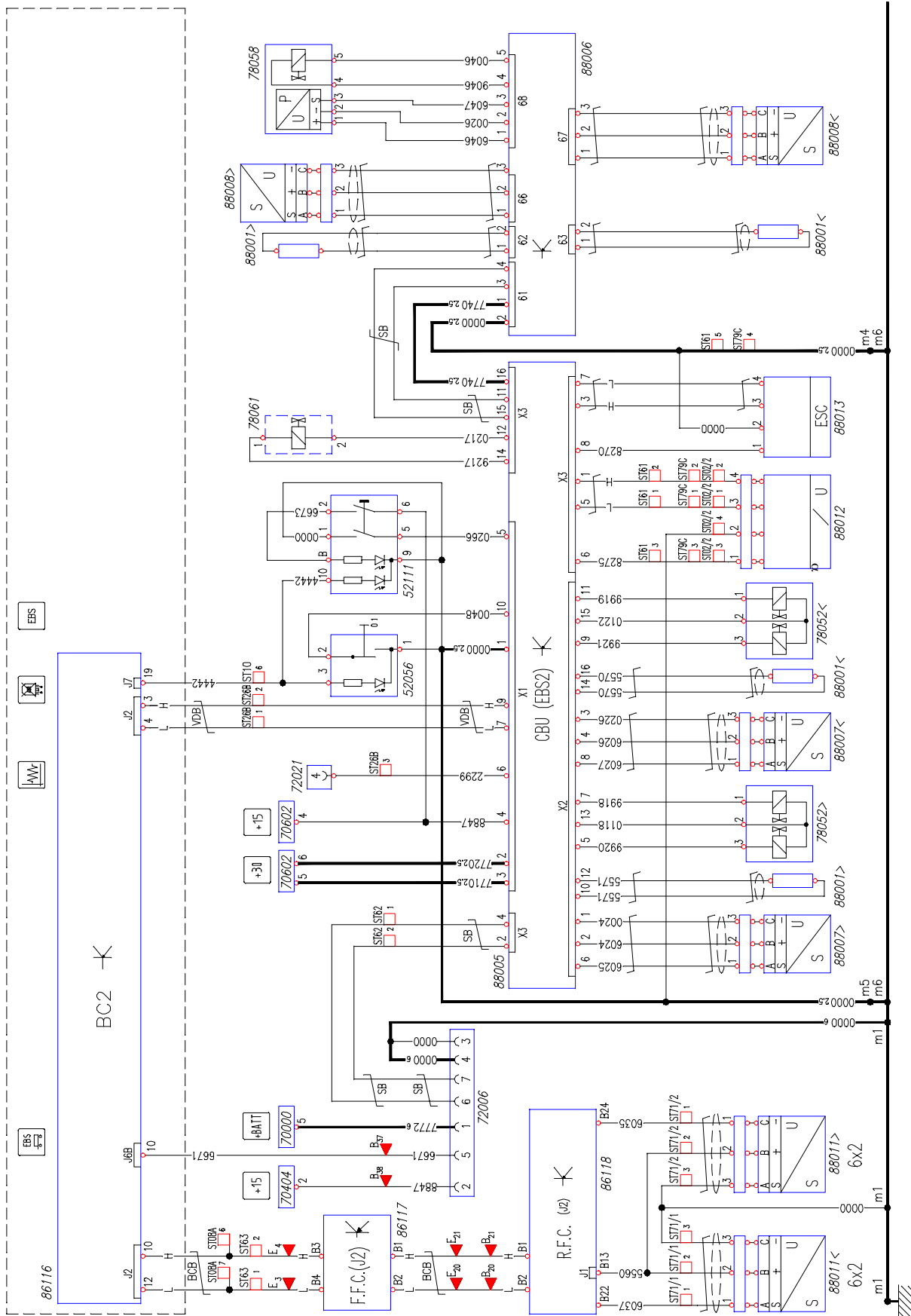


Chart 59: Manually controlled climate control system (AT/AD CAR TRANSPORTER)

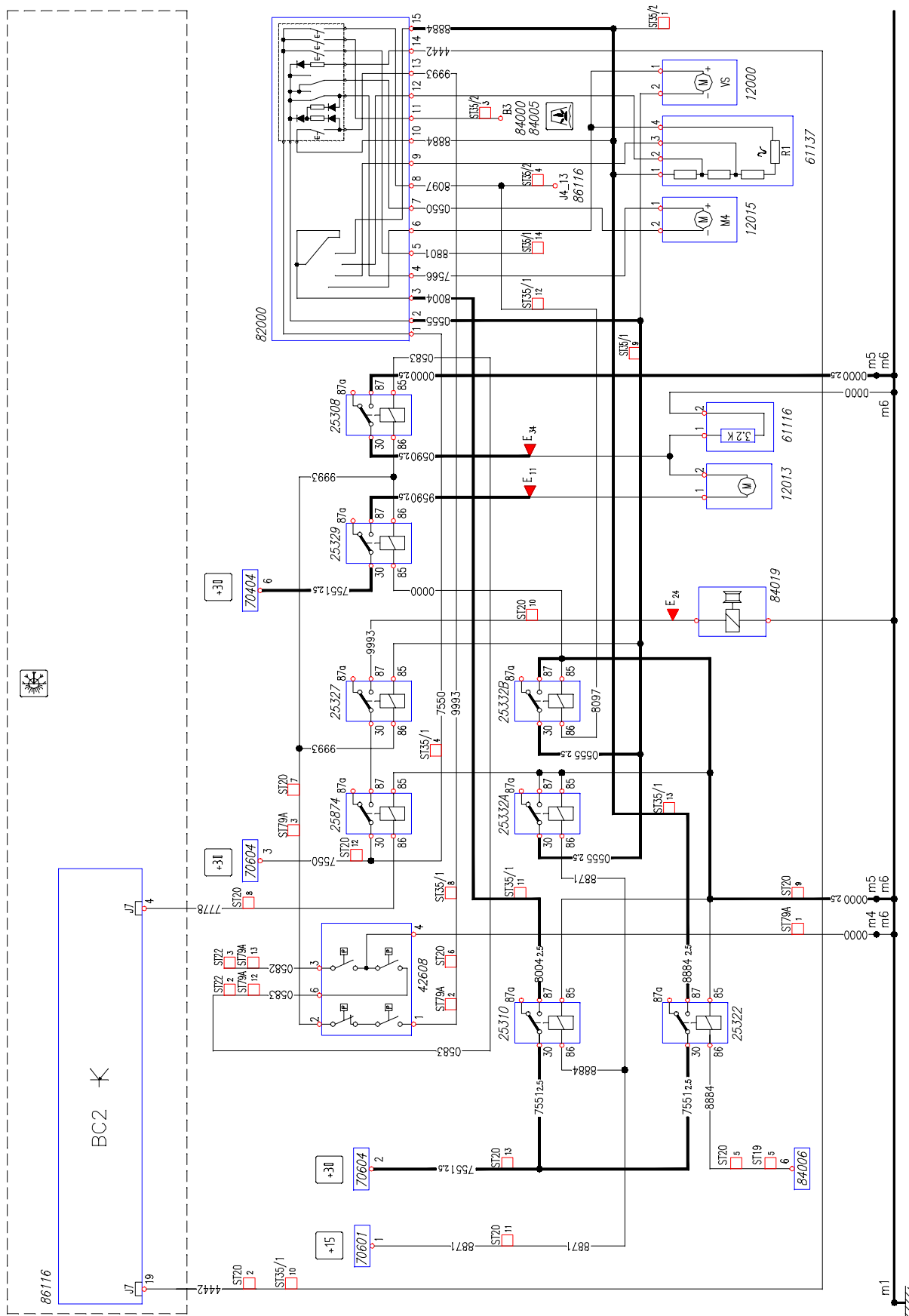


Chart I: A. Engine start-up from cab and front ground
B. Loads activated with engine on
C. Battery recharging warning light

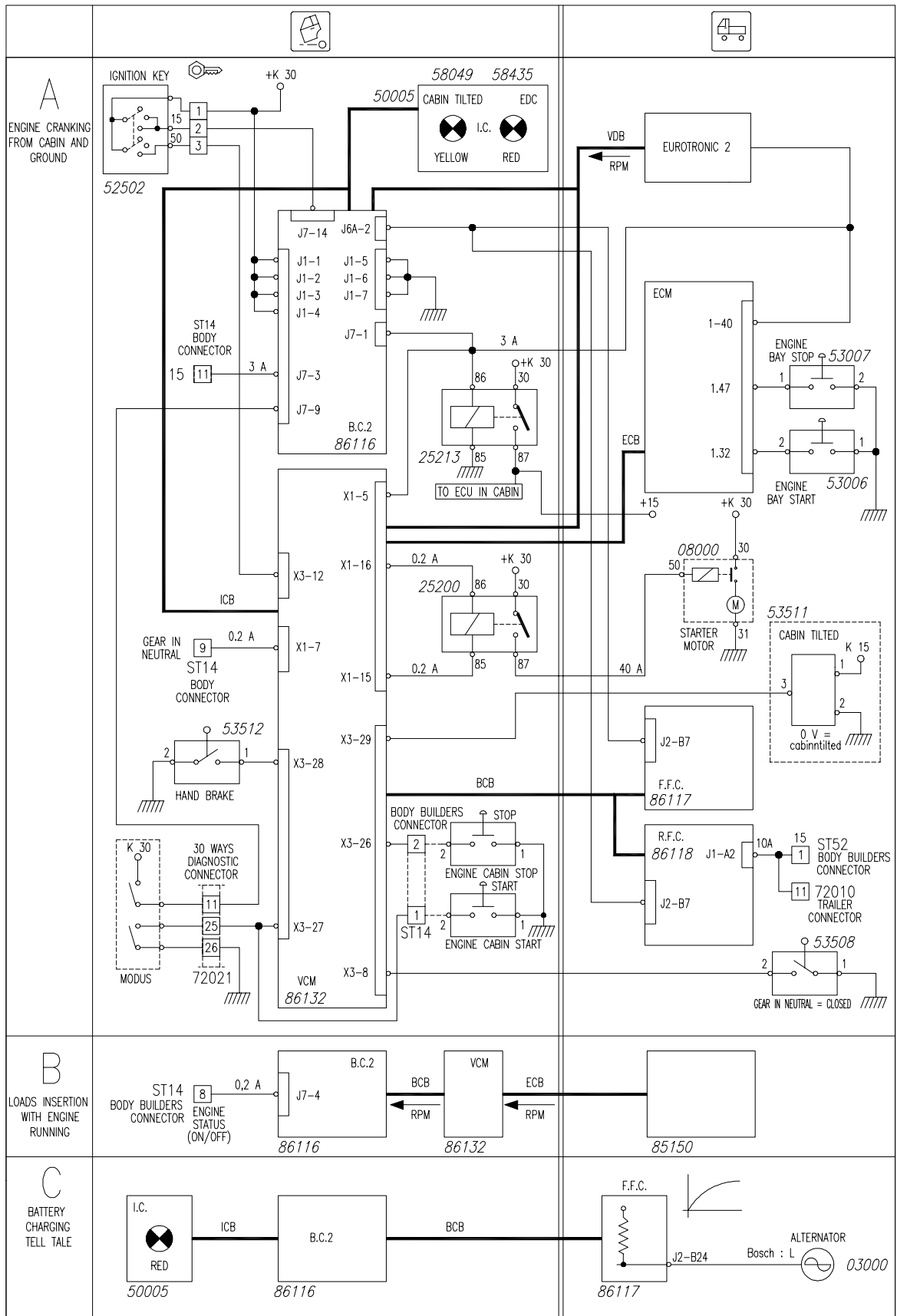


Chart 20: A. Mirror movement and heating
B. Electric windows

