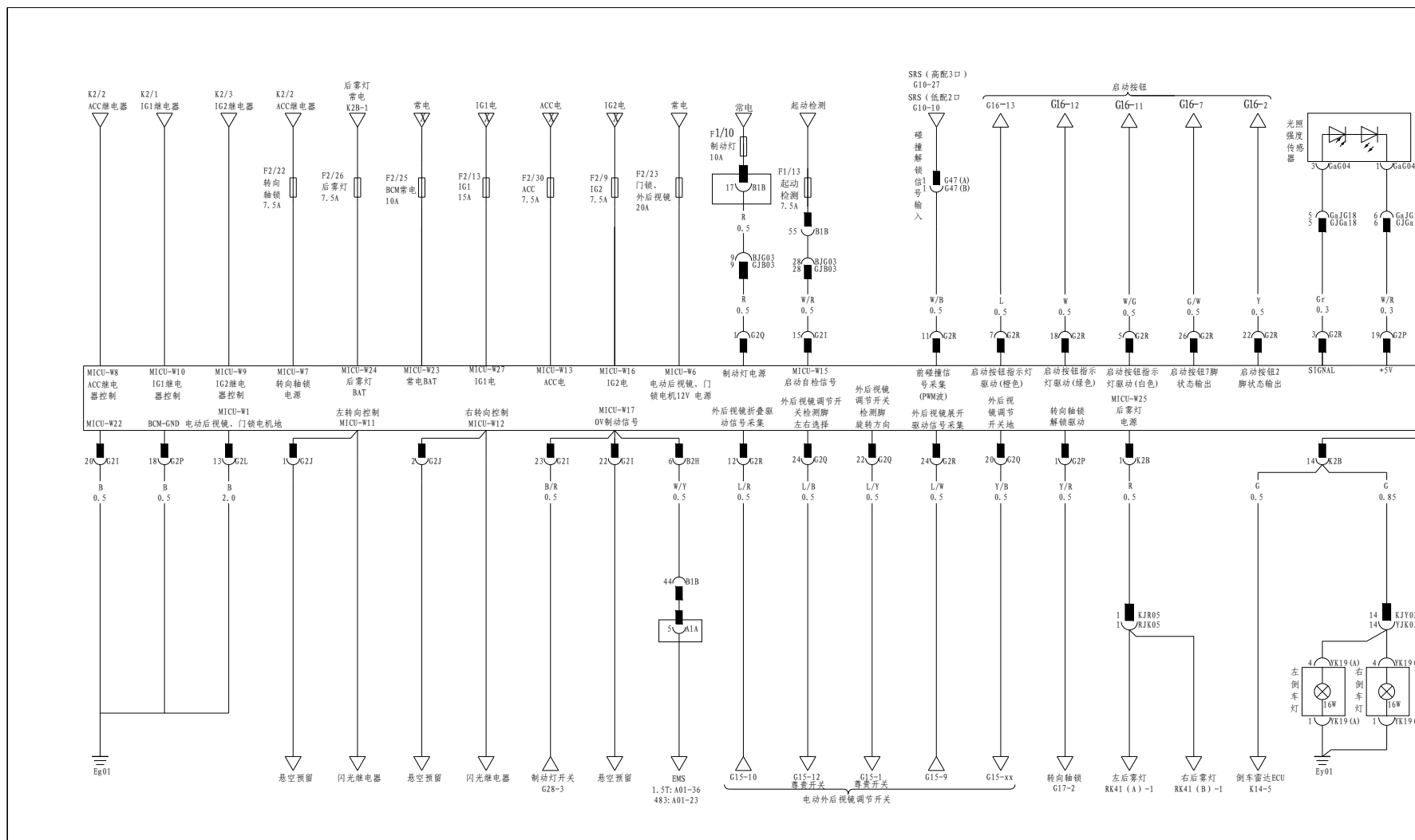


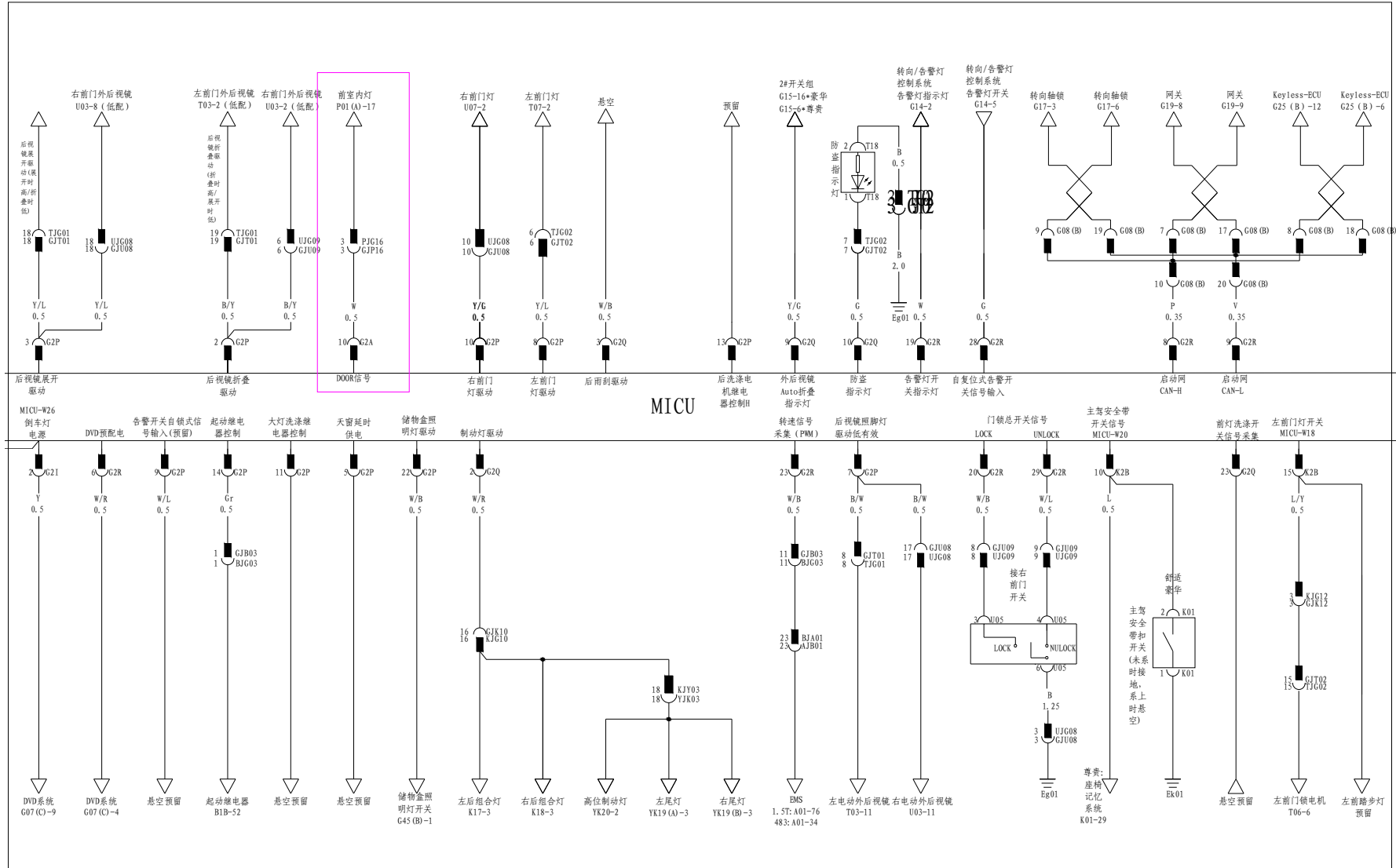
## 第四节 电器原理图 (1.5T, 2.0T)

### 1.1、BCM (1)





1. 2、BCM (2)



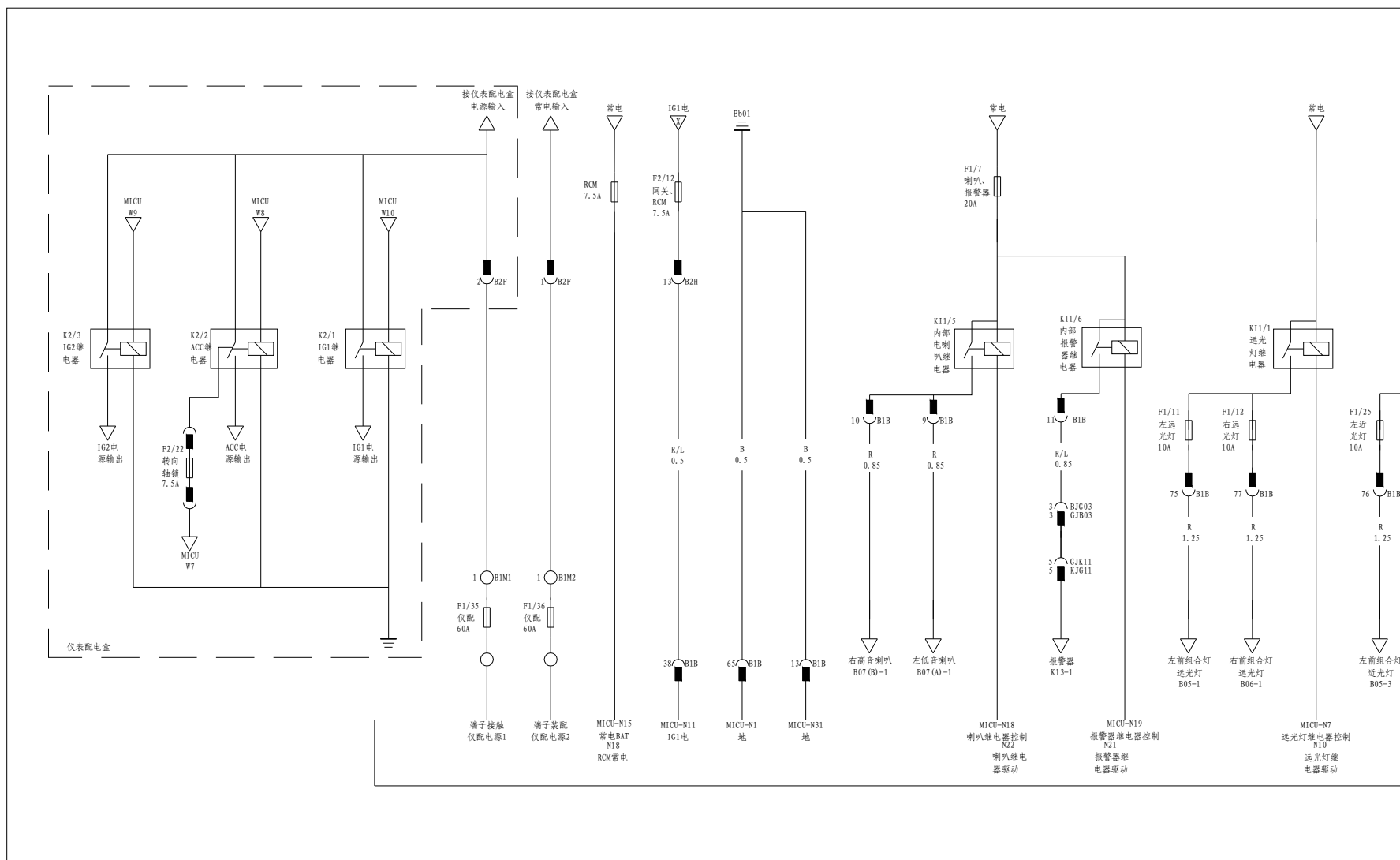
### 1.3、BCM ( 3 )



#### 1.4、BCM ( 4 )



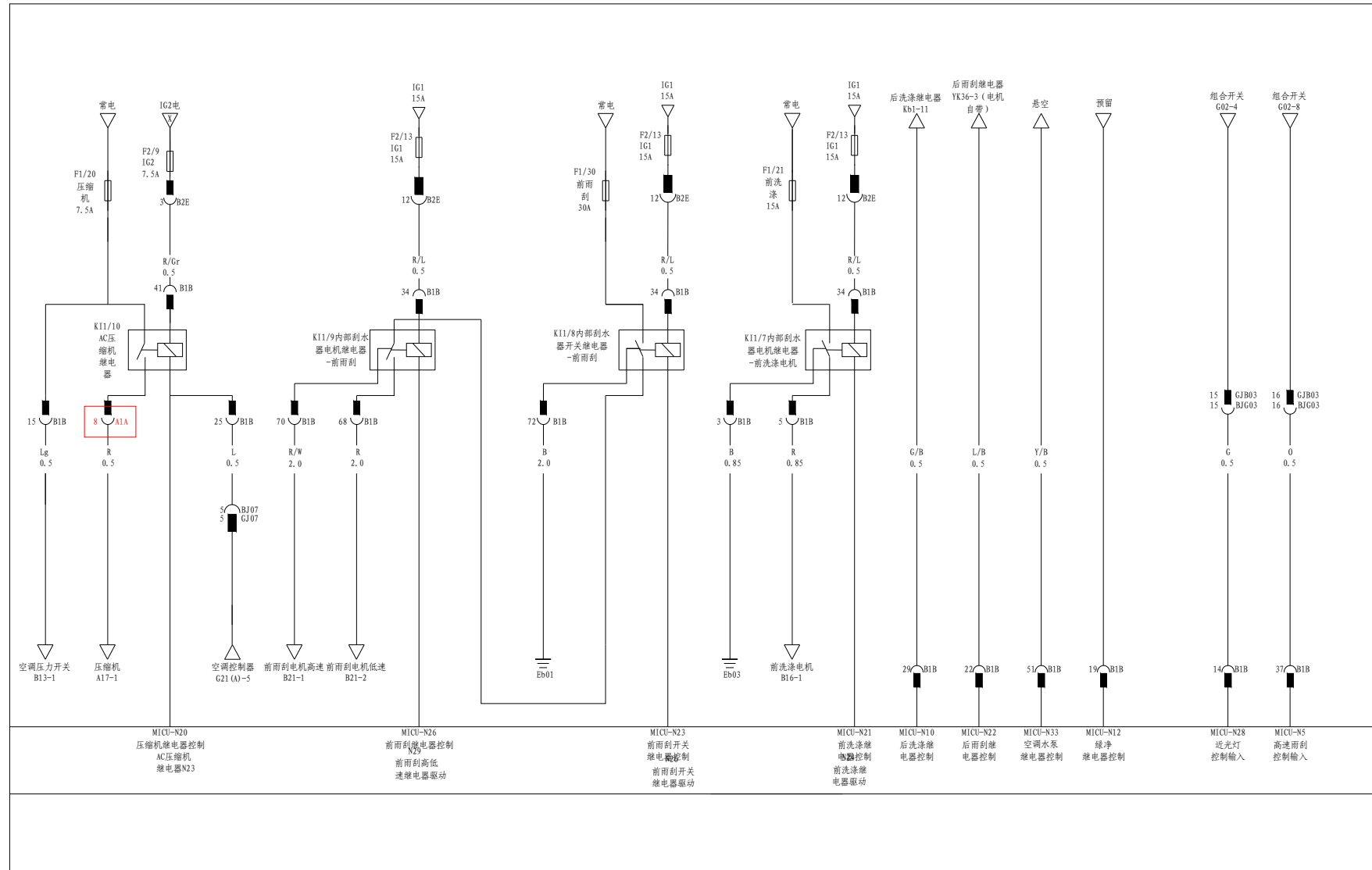
## 2.1、RCM (1)



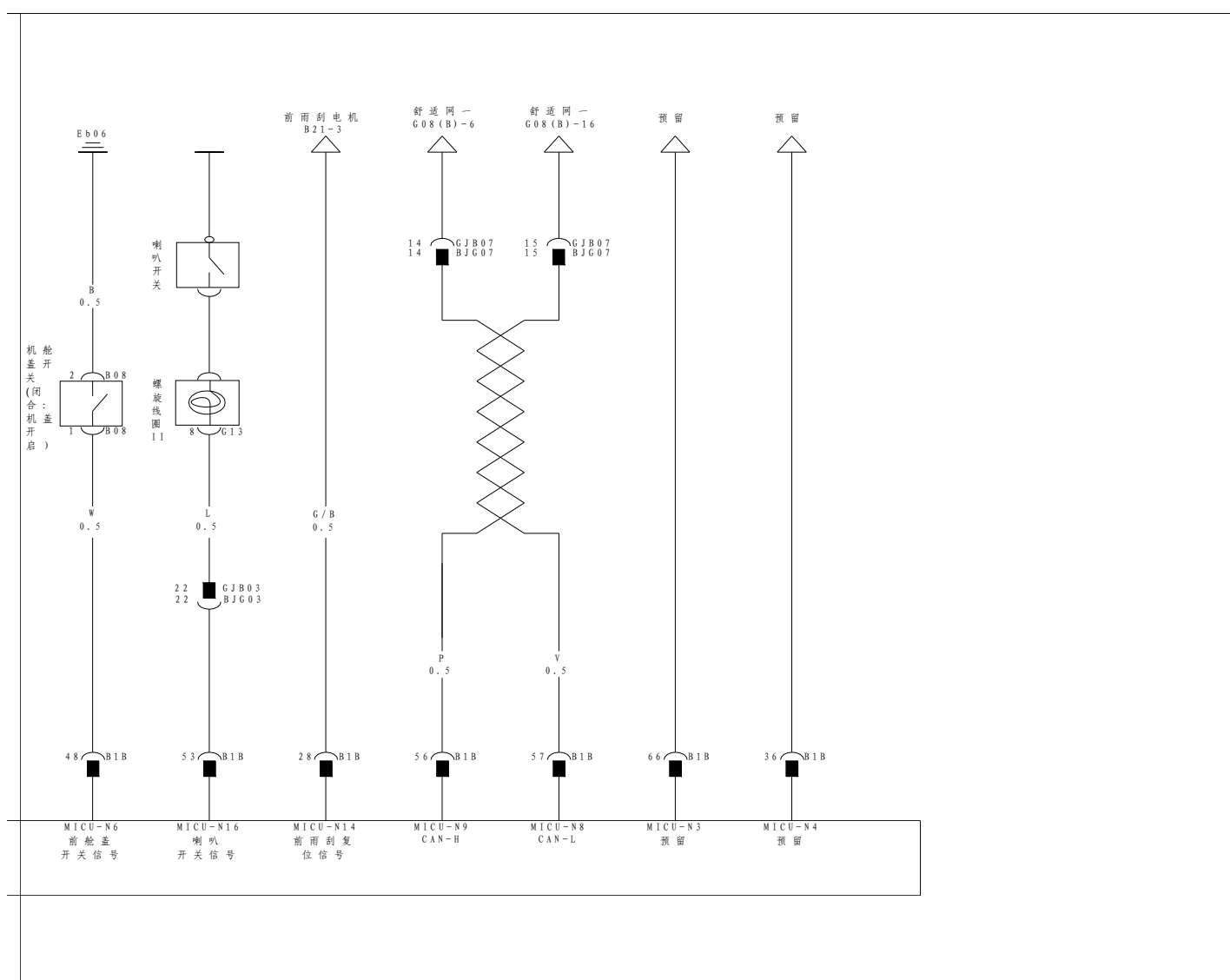
[illegible]



2. 3、RCM ( 3 )



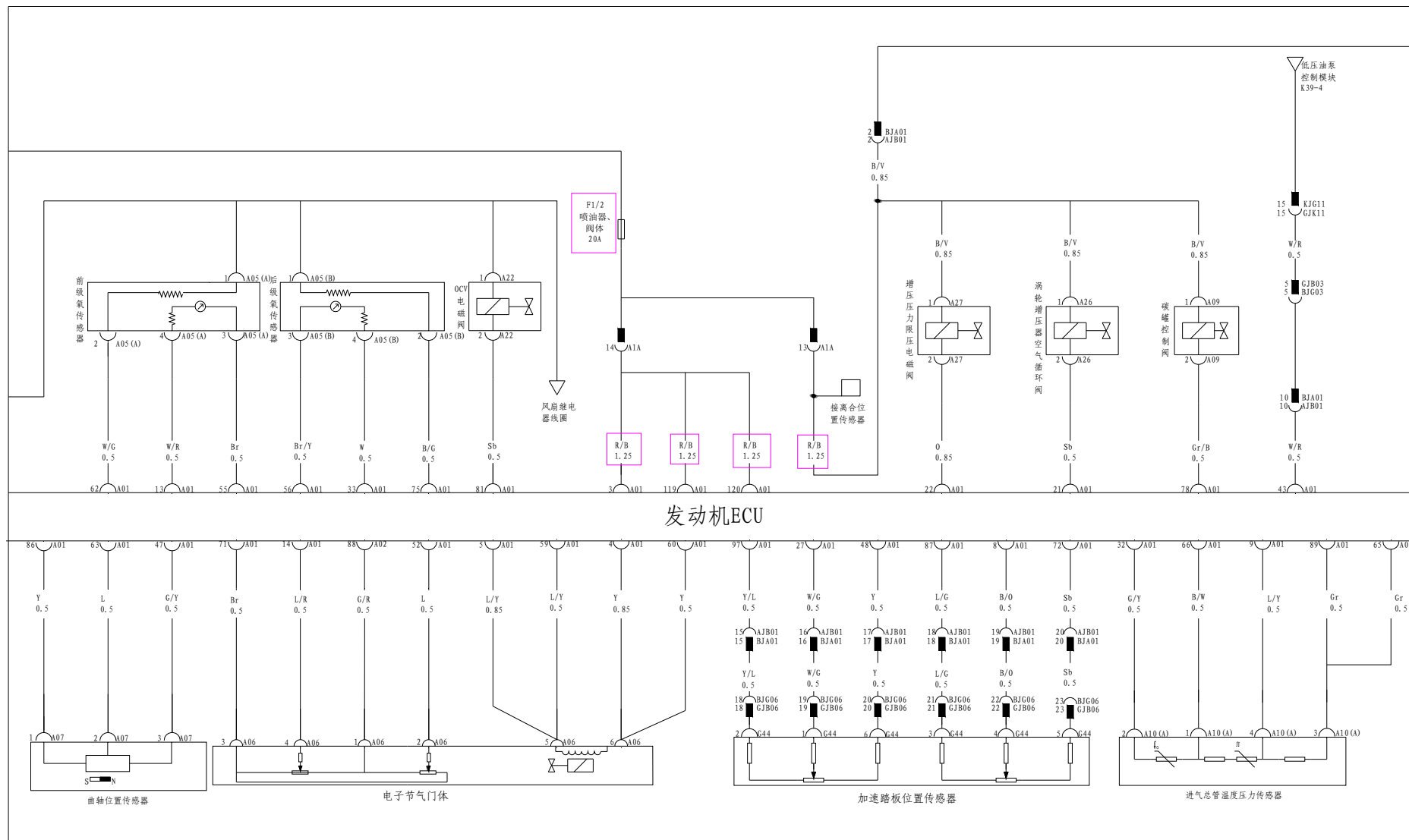
## 2.4、RCM (4)



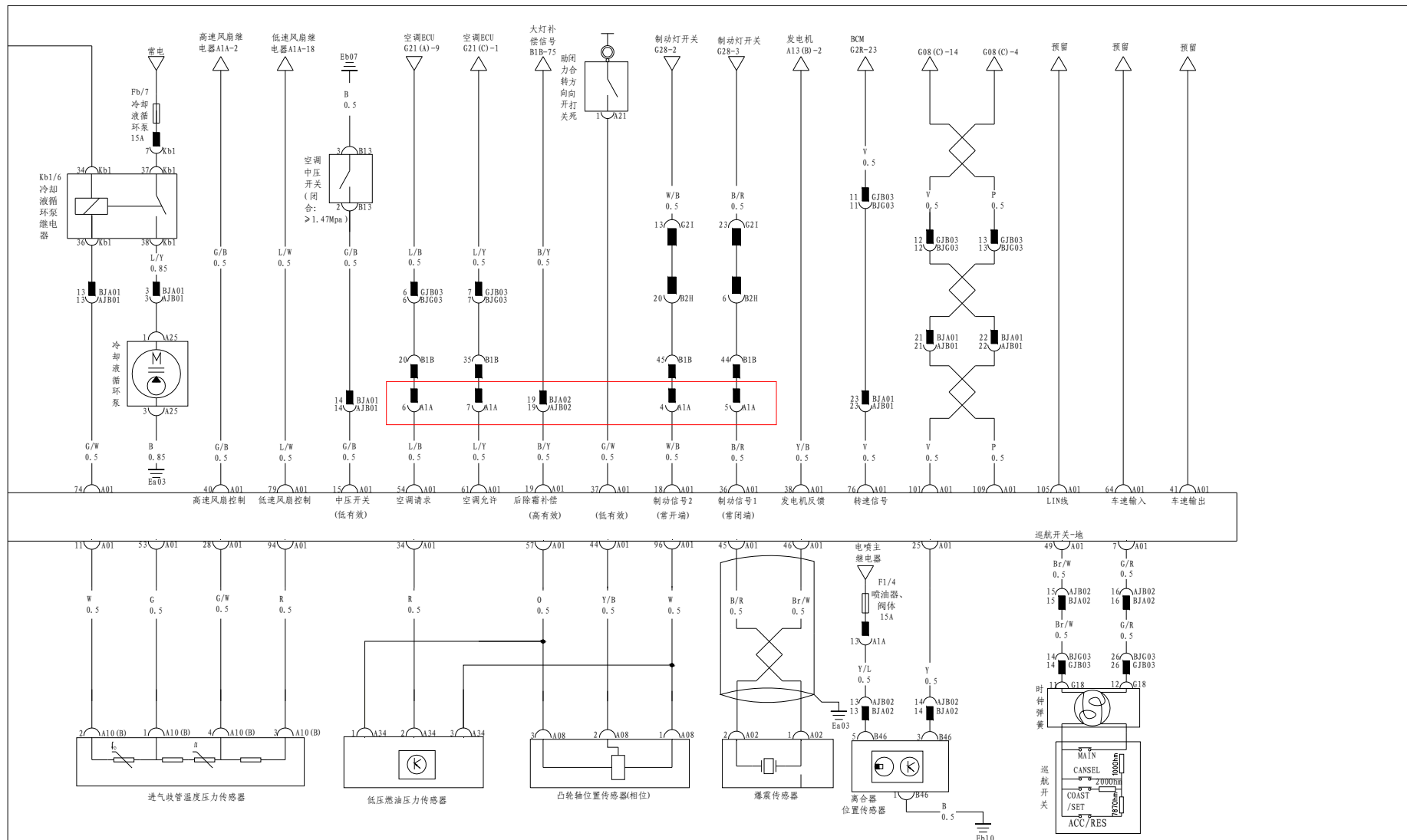




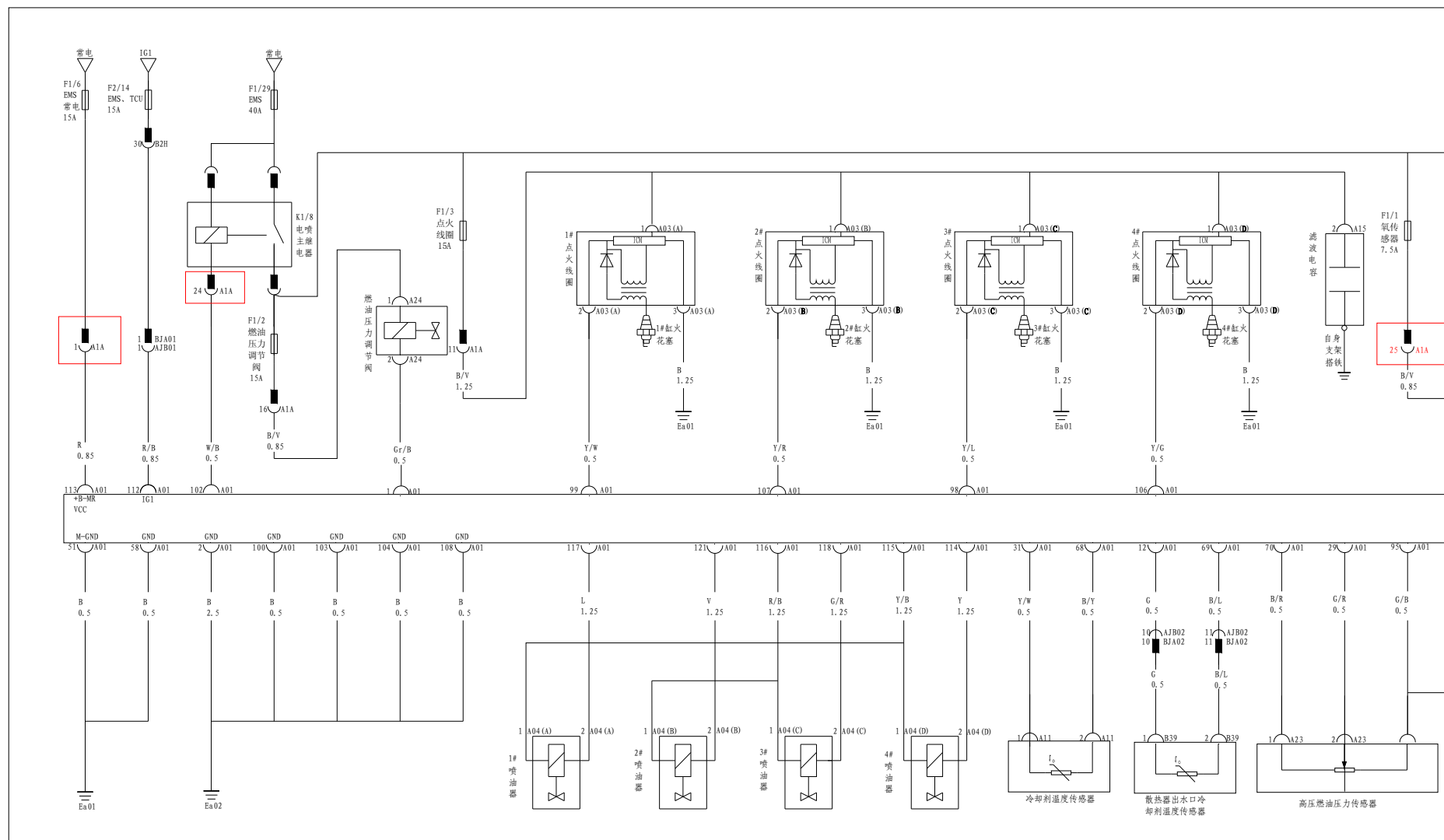
### 3.2、1.5T+MT ECM (2)



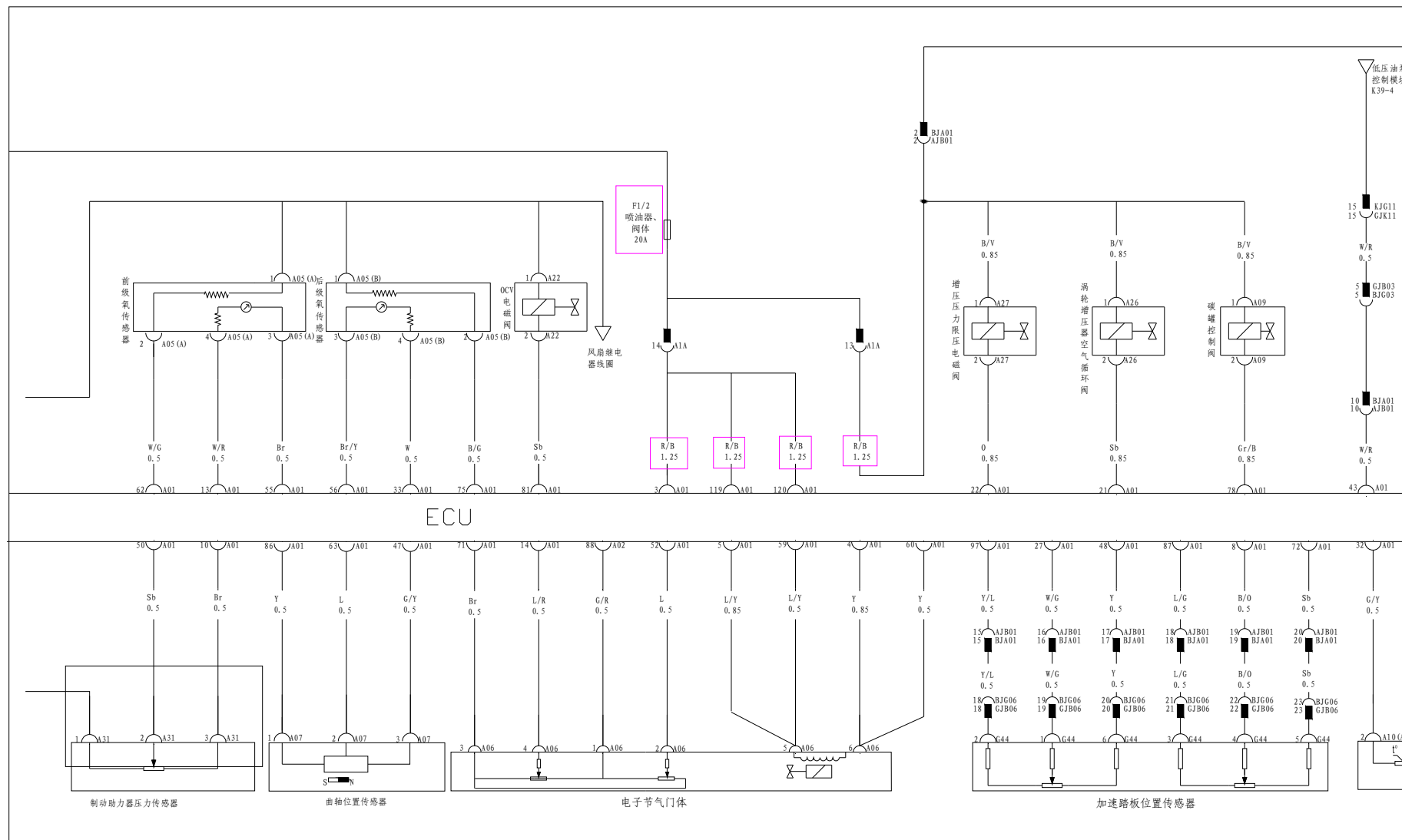
### 3.3、1.5T+MT ECM (3)



# 4.1、1.5T+DCT ECM (1)



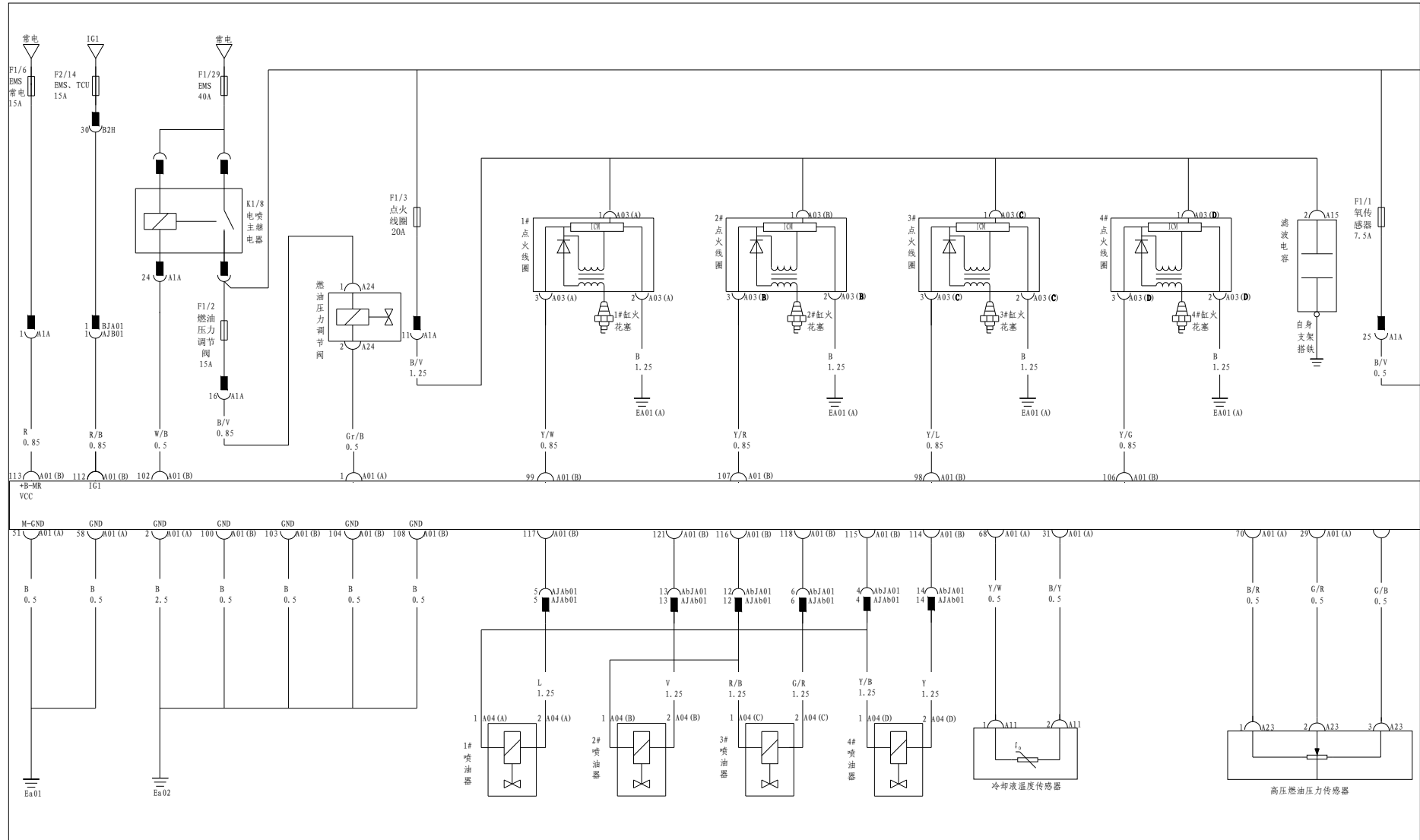
## 4.2、1.5T+DCT ECM (2)



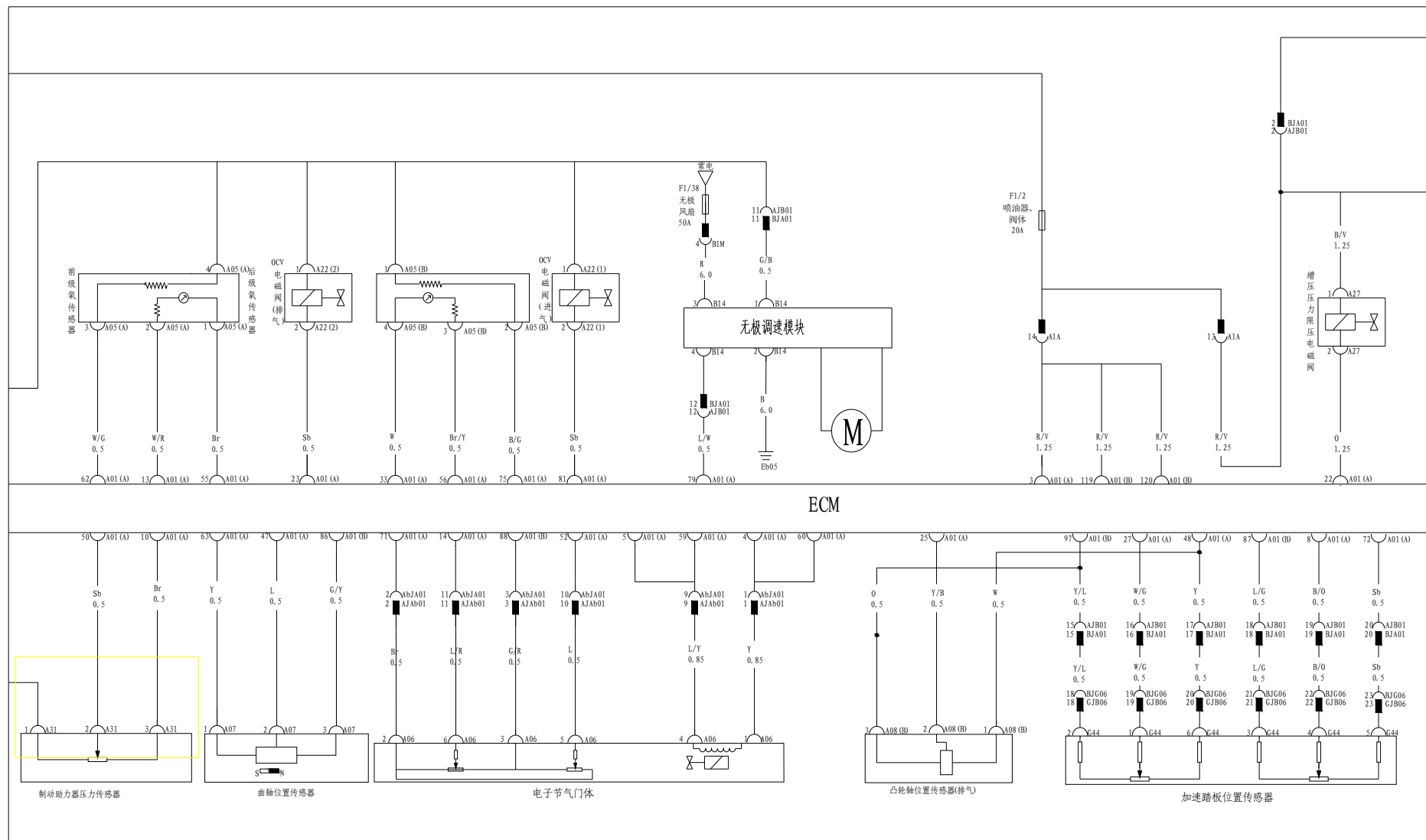
[illegible]



5.1、2.0T+DCT ECM (1)

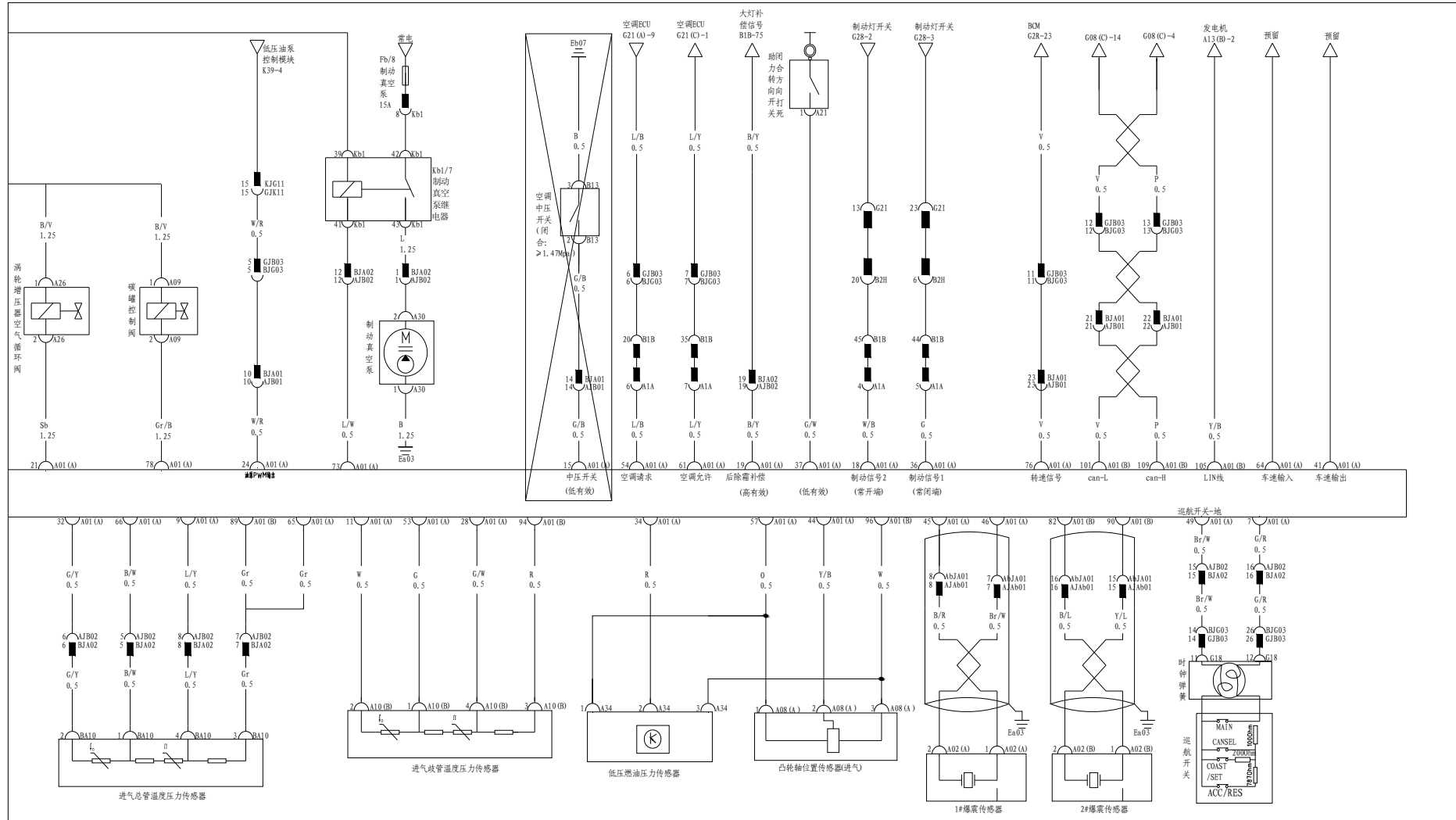


## 5.2、2.0T+DCT ECM (2)



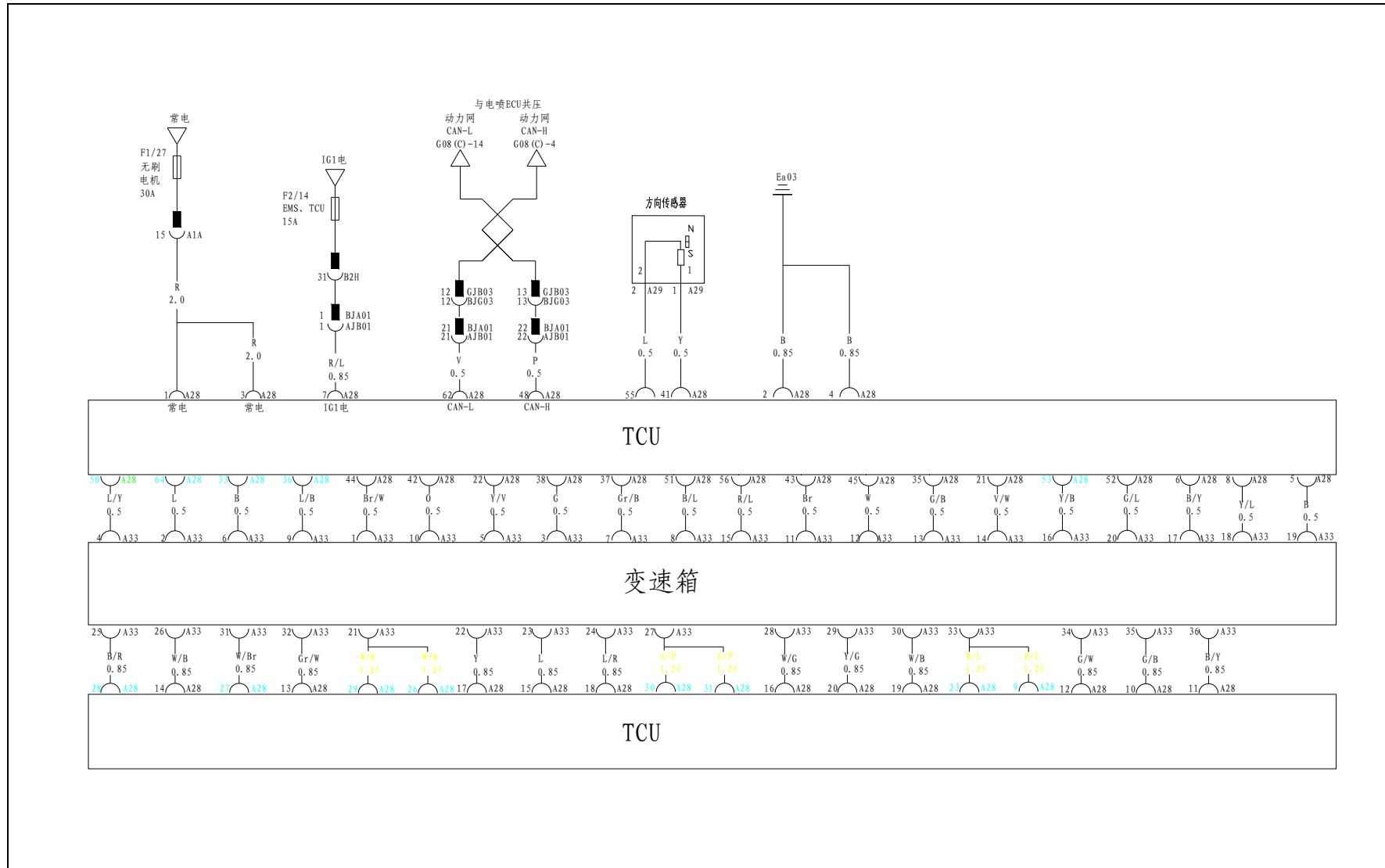


### 5.3、2.0T+DCT ECM (3)





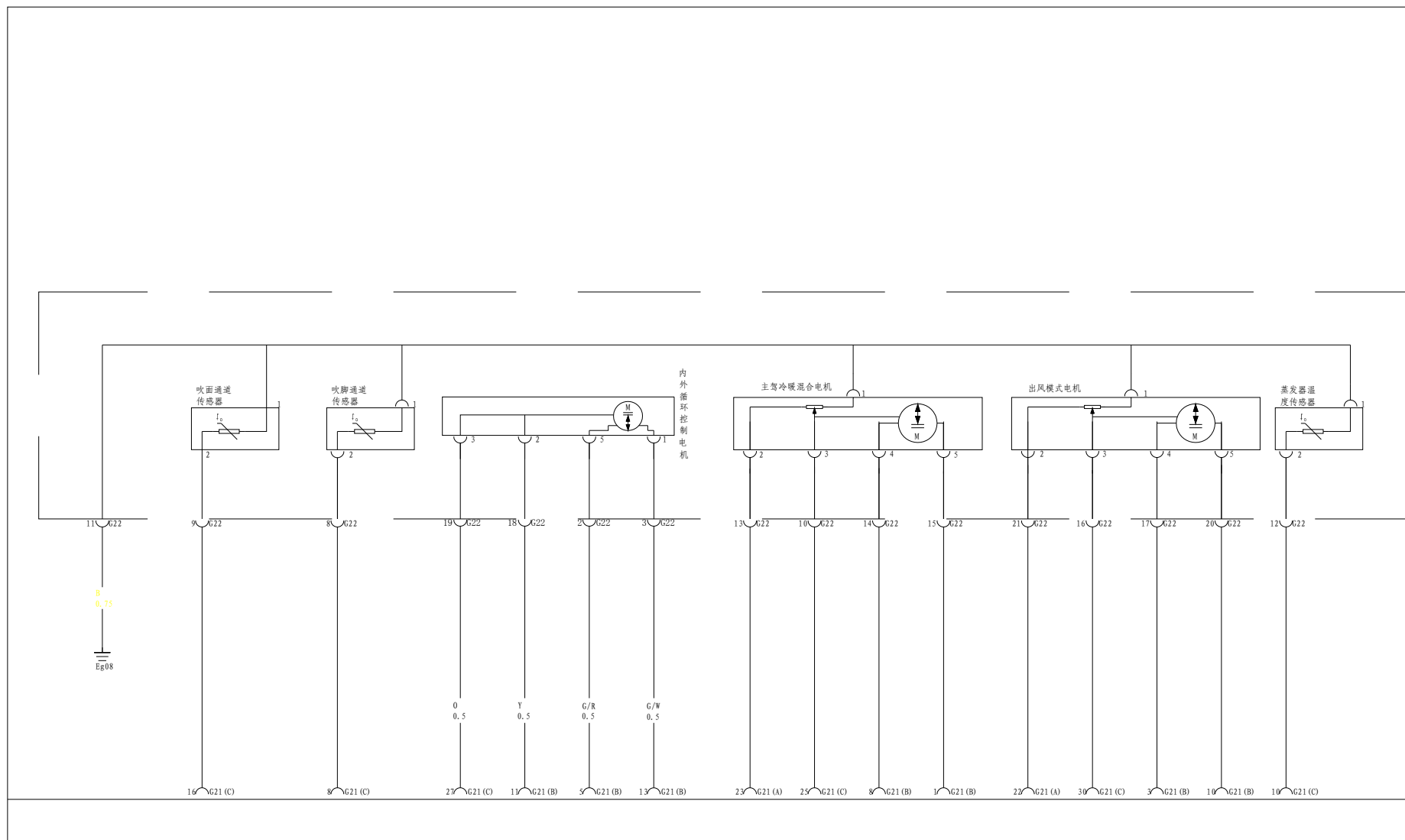
6、TCU



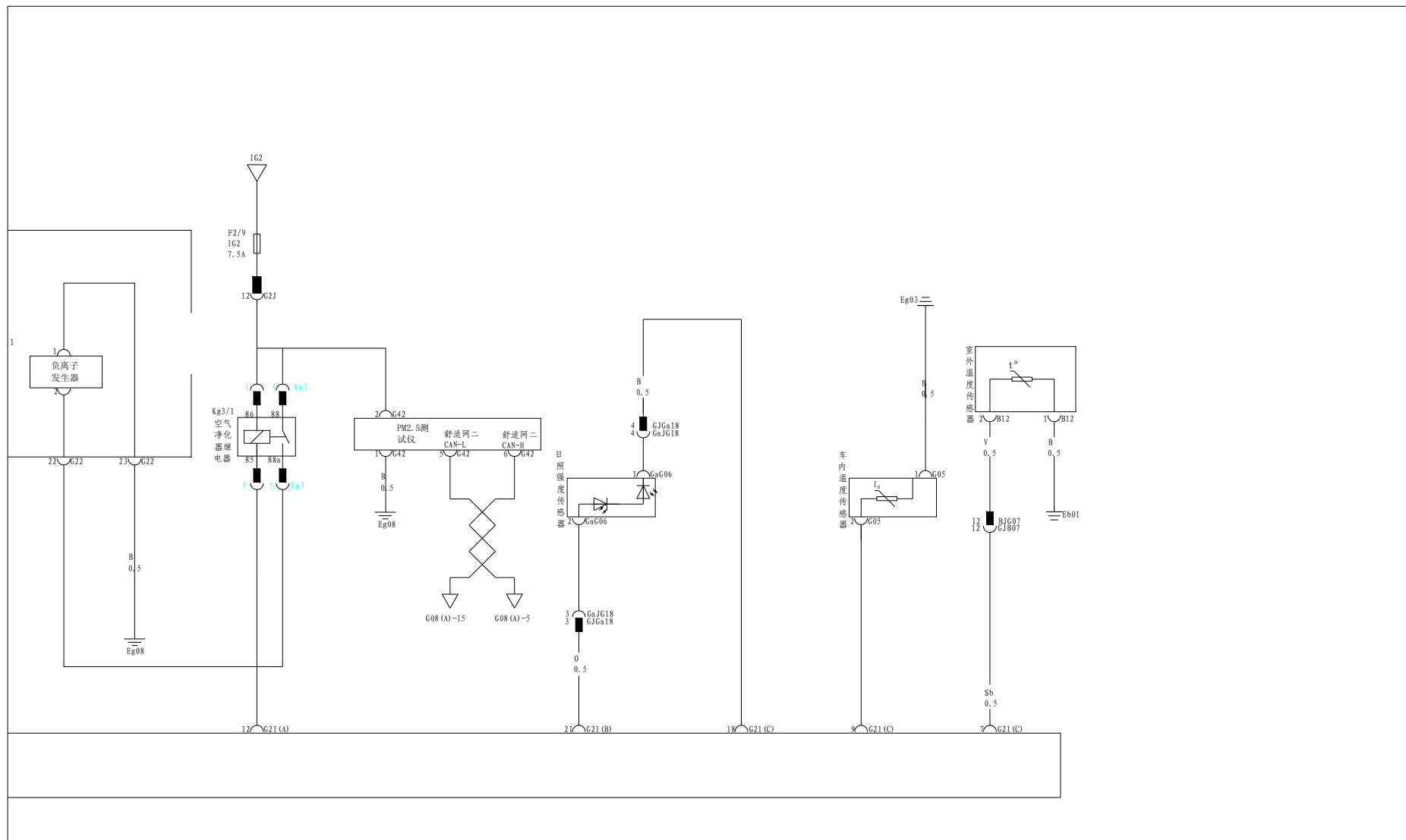
### 7.1、空调 2.0T (1)



## 7.2、空调 2.0T (2)

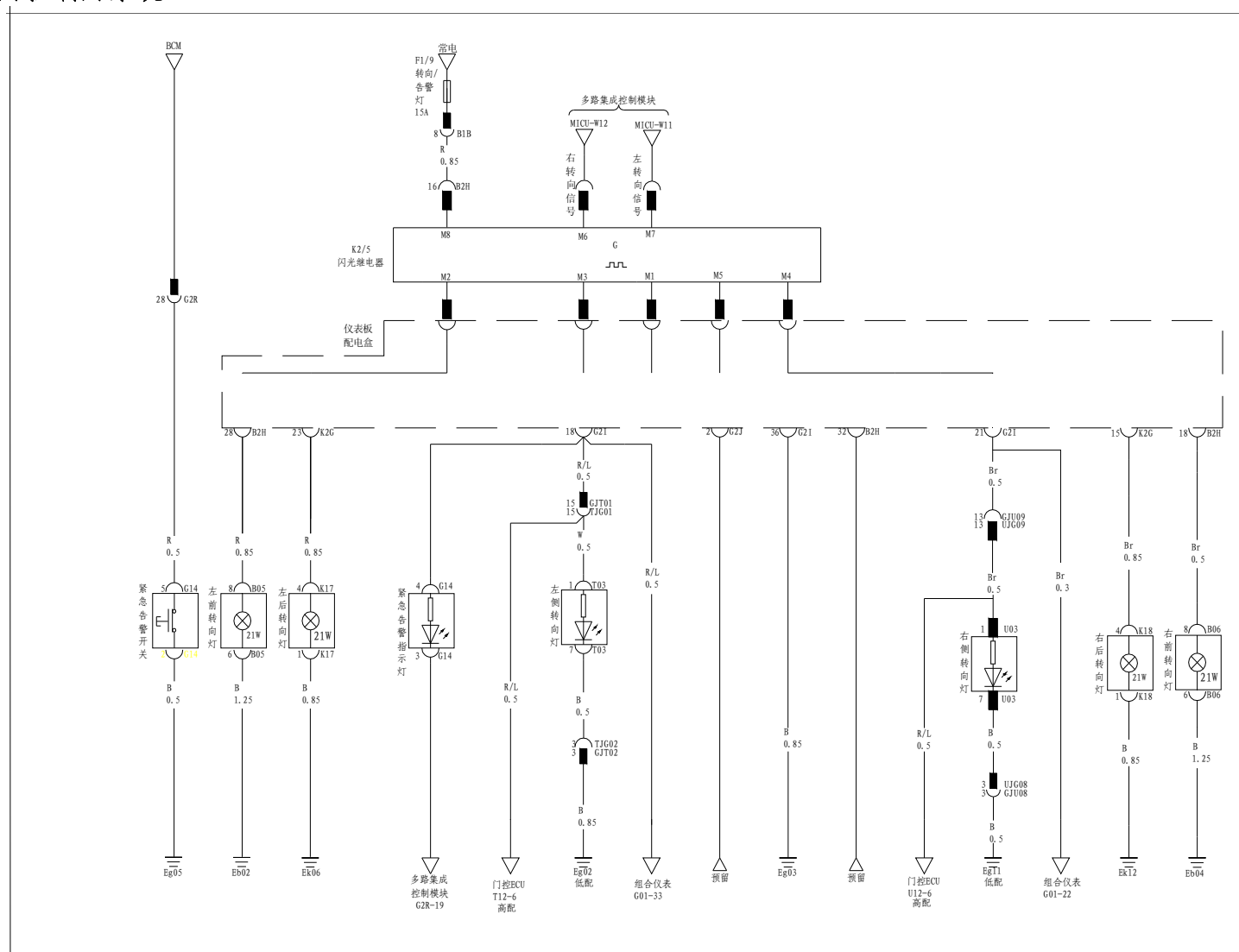


### 7.3、空调 2.0T (3)

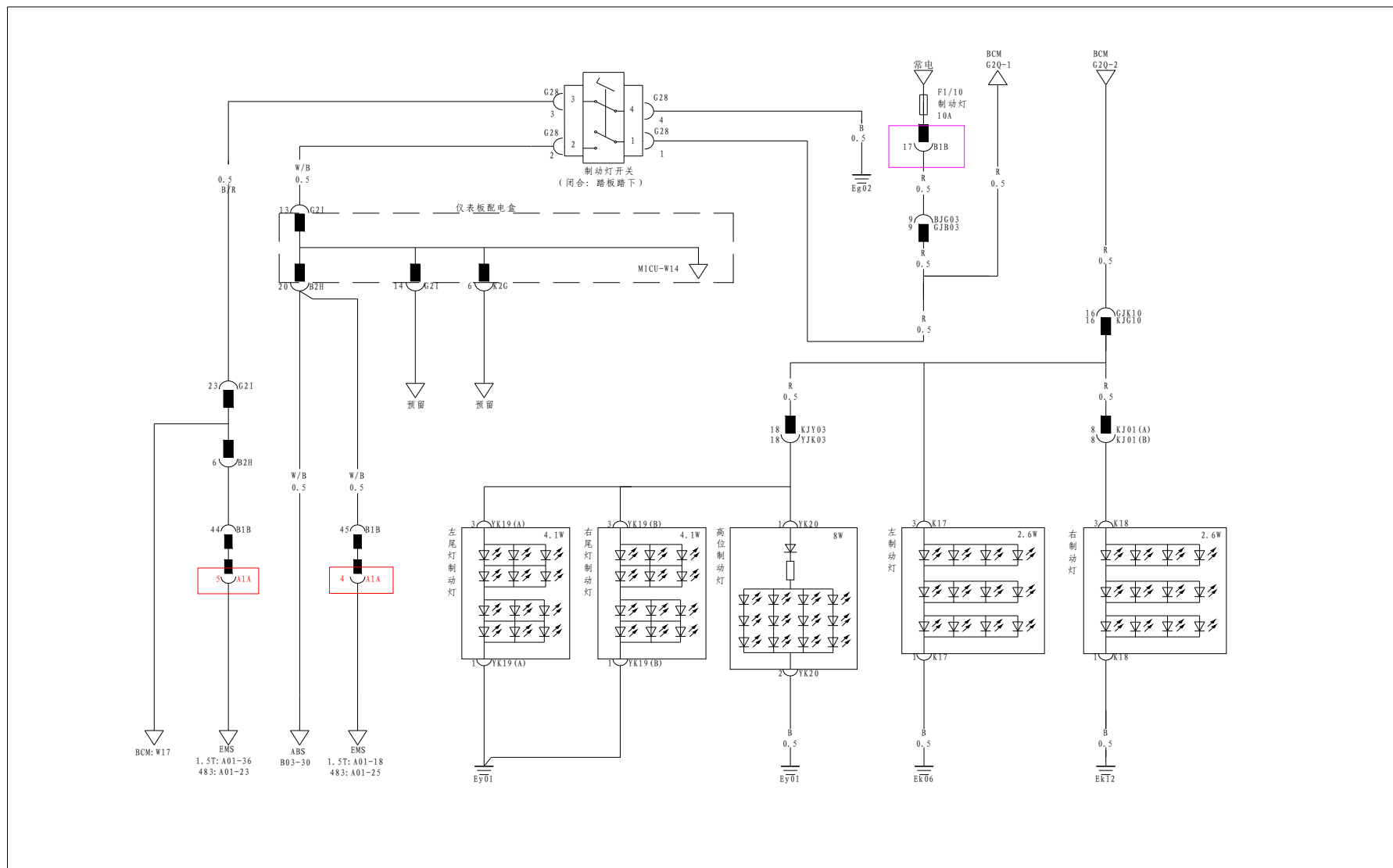




## 9、转向/告警灯控制灯系统



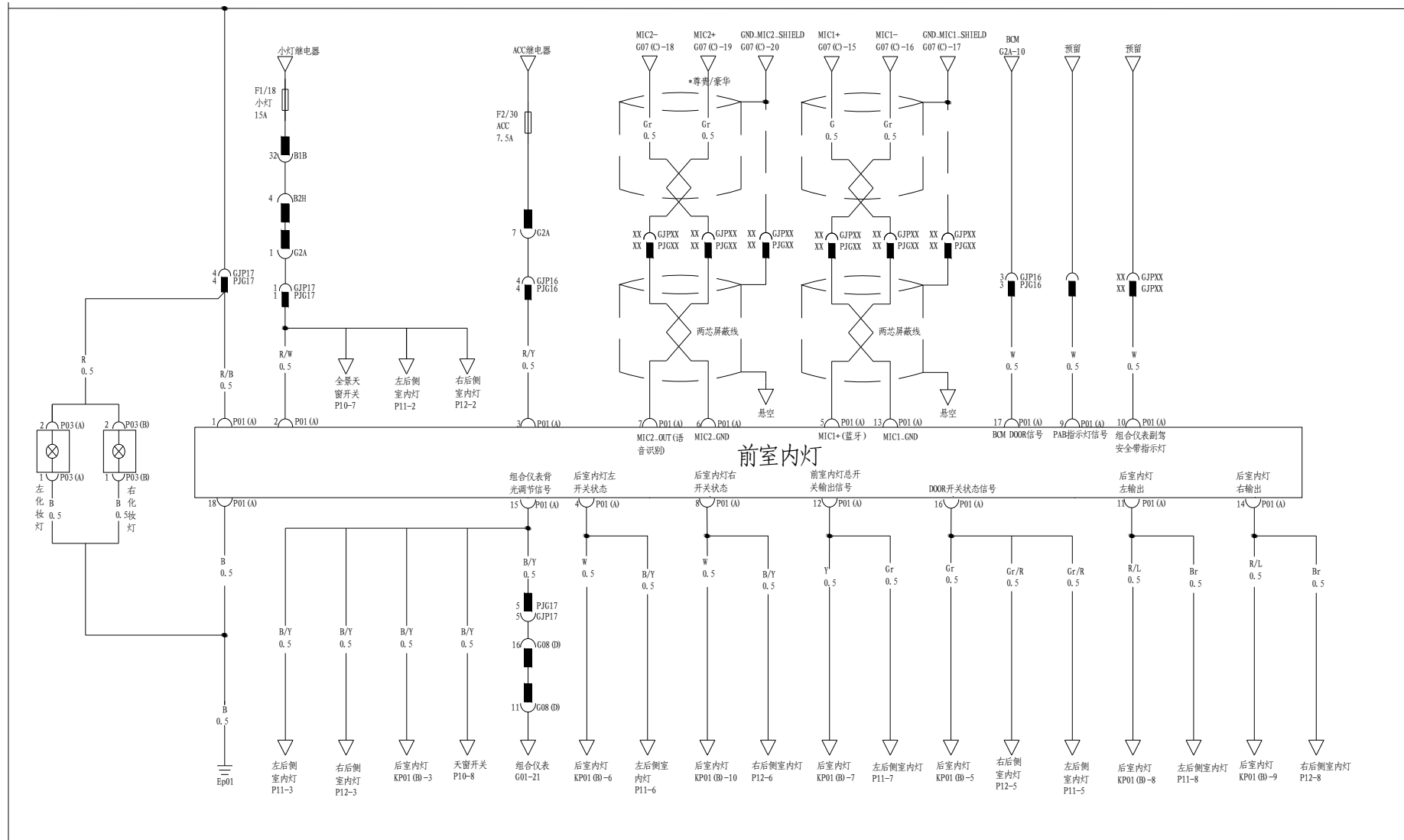
## 10、制动灯系统



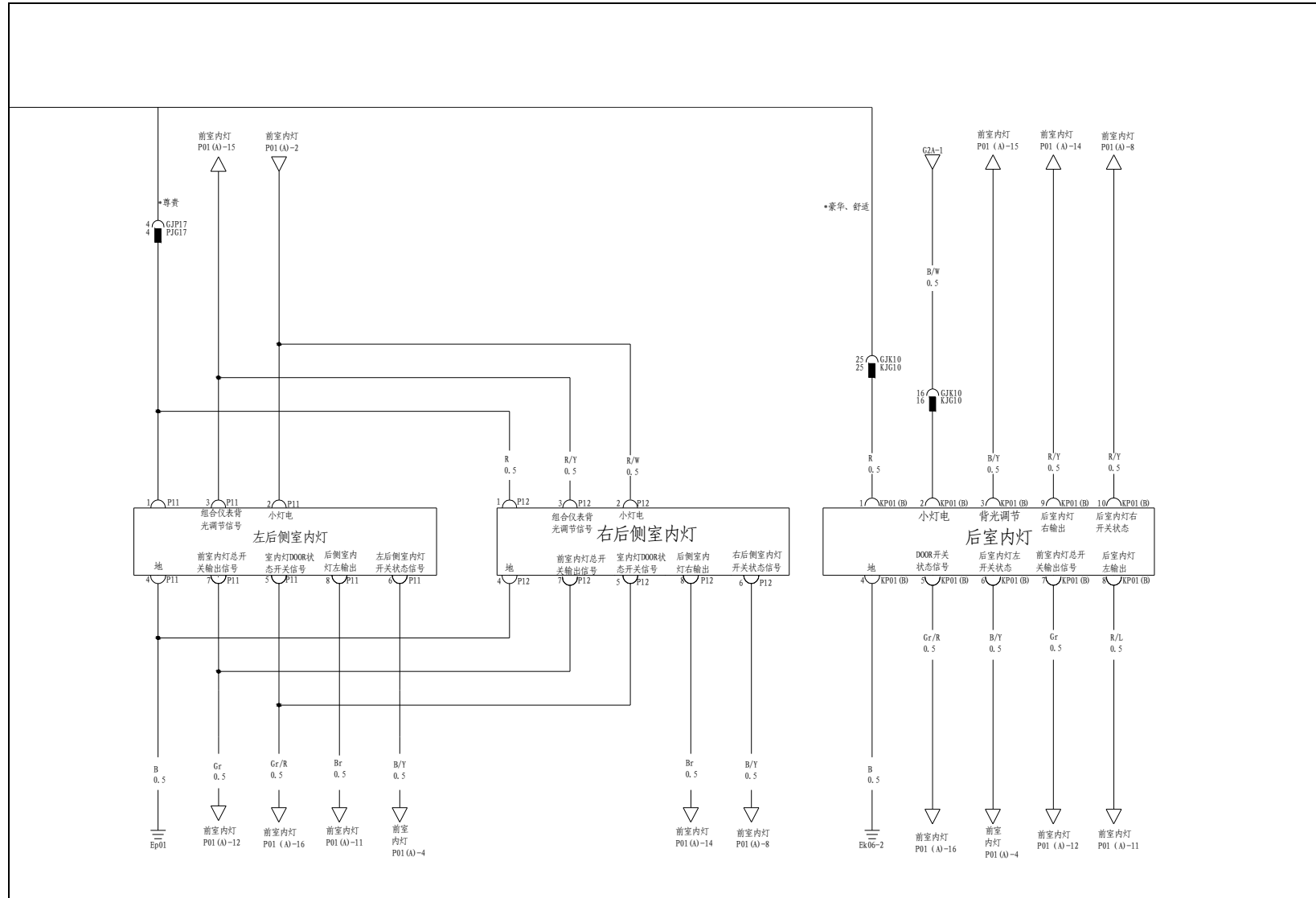




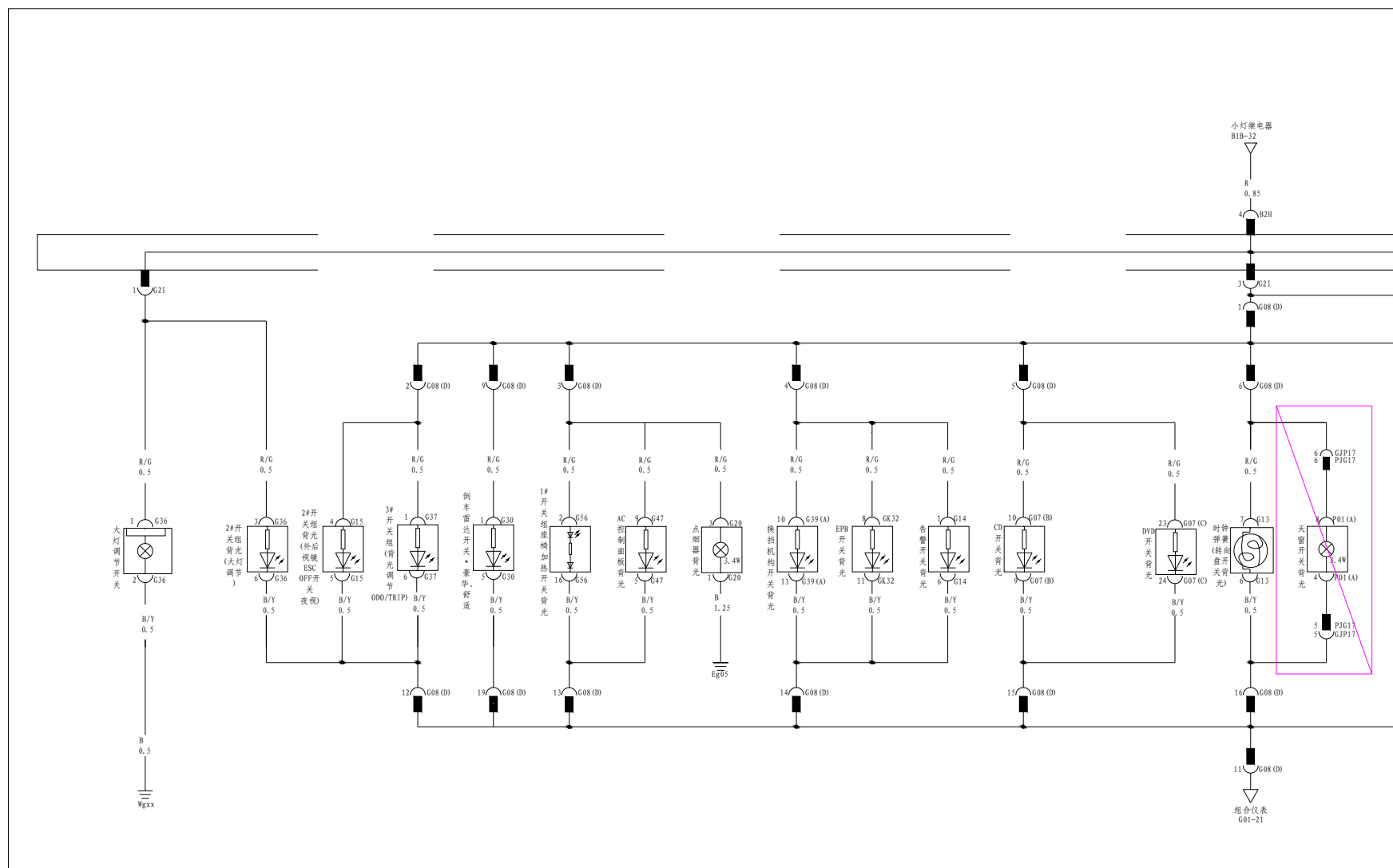
## 11.2、室内灯系统（2）



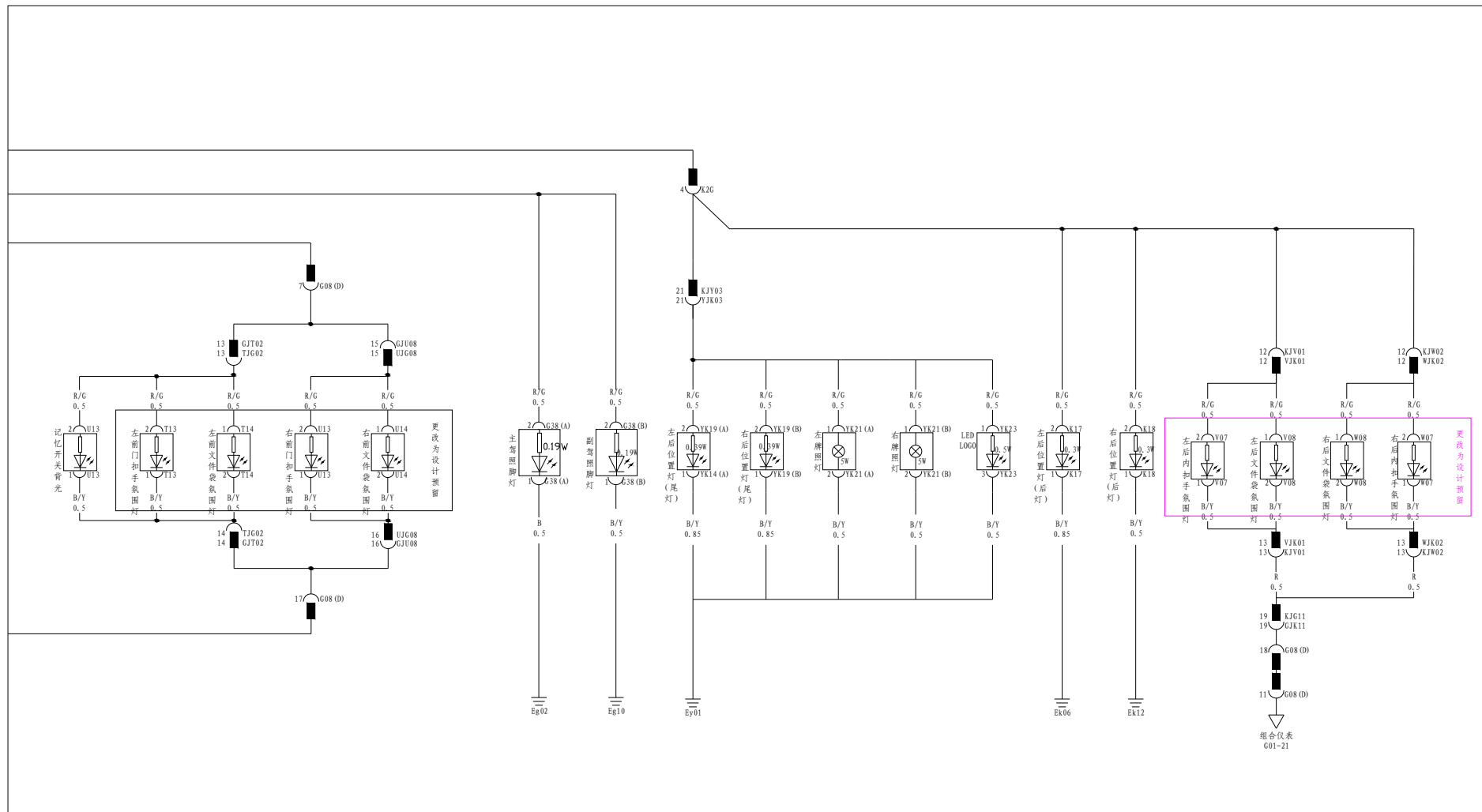
### 11.3、室内灯系统（3）



## 12.1、背光系统 (1)



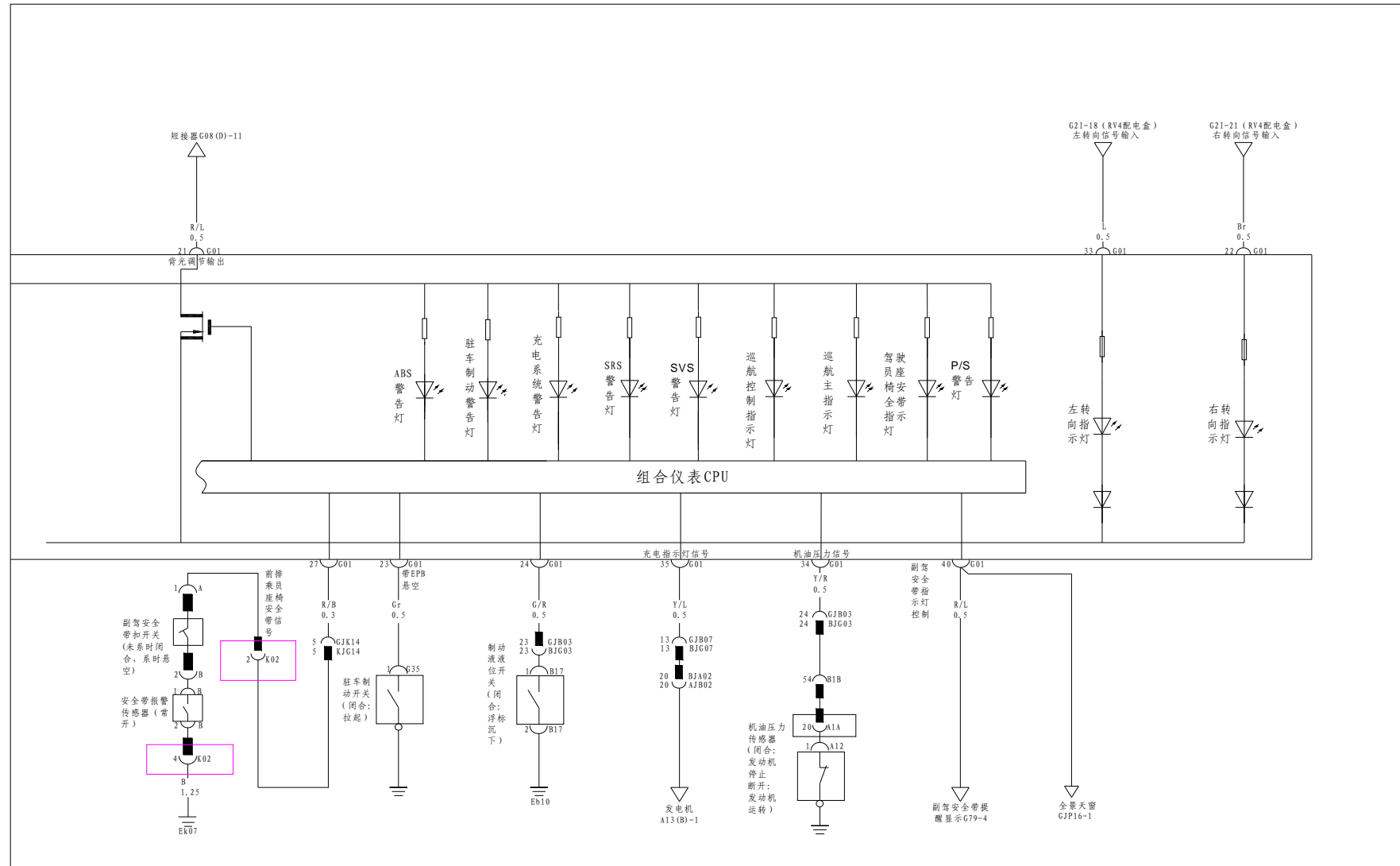
## 12.2、背光系统 (2)



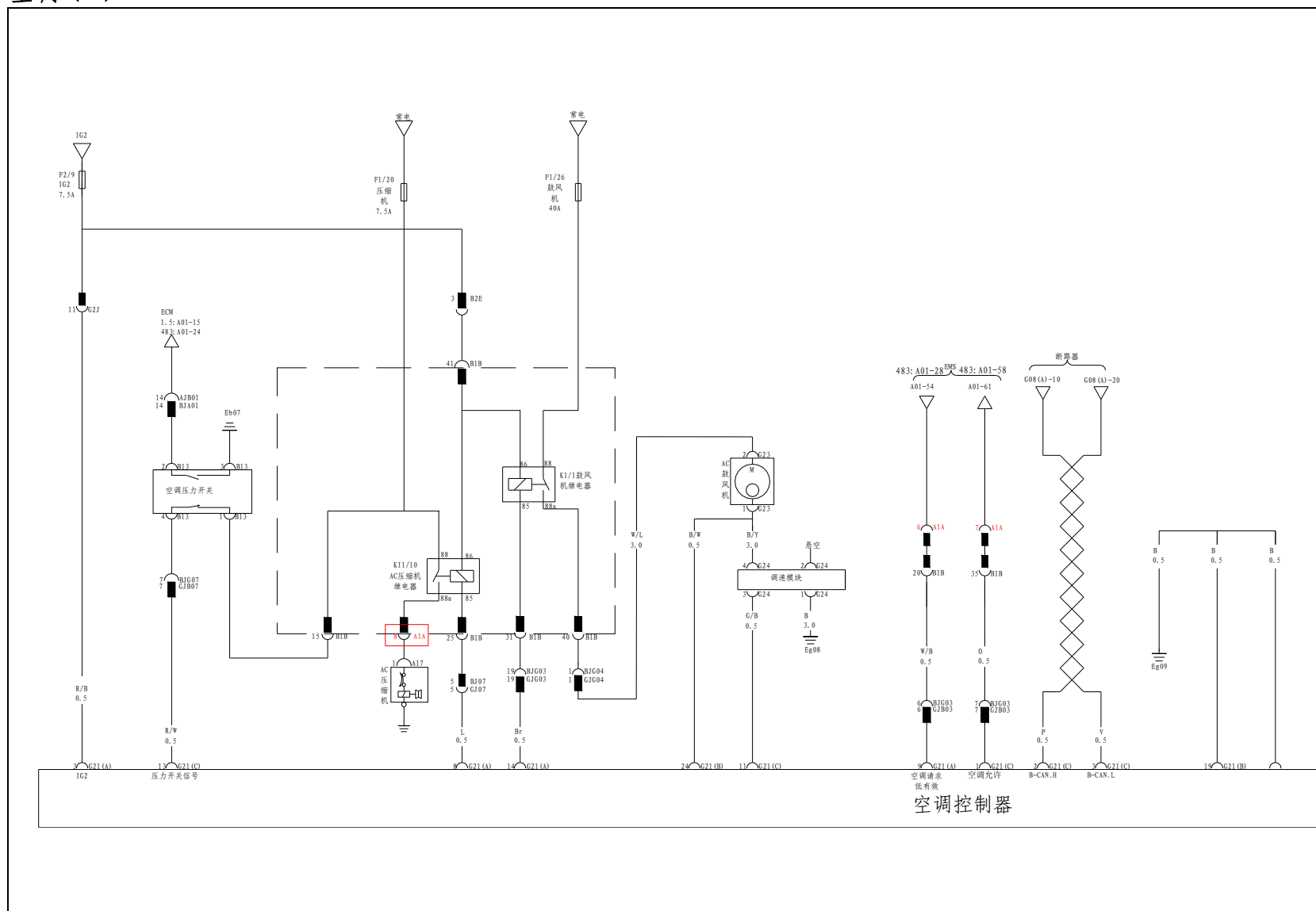
### 13.1、组合仪表（1）



### 13.2、组合仪表（2）

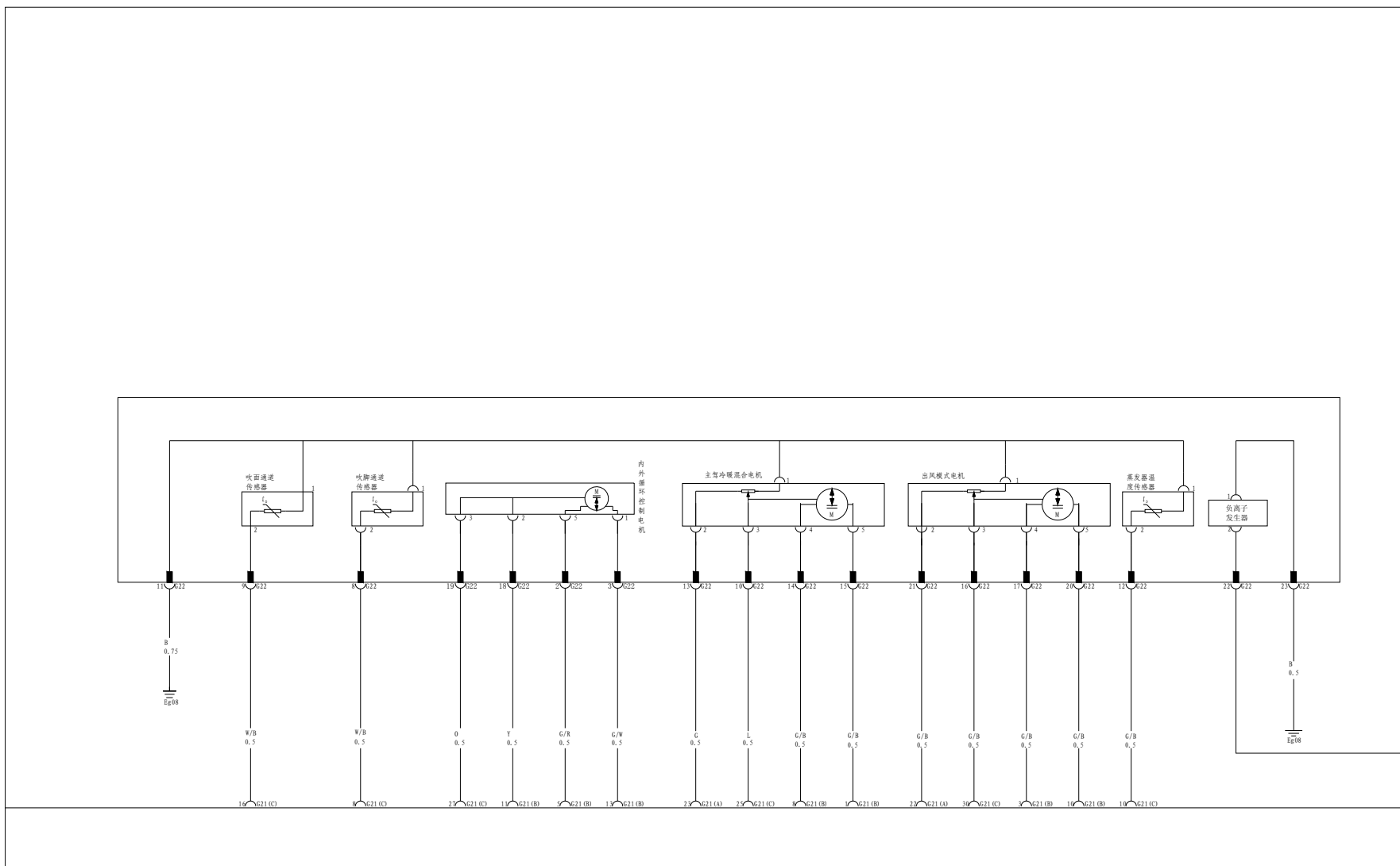


# 14.1、空调 (1)





## 14.2、空调（2）



The diagram illustrates the electrical connections for the air conditioning controller (空调控制器). It features several key components and their wiring:

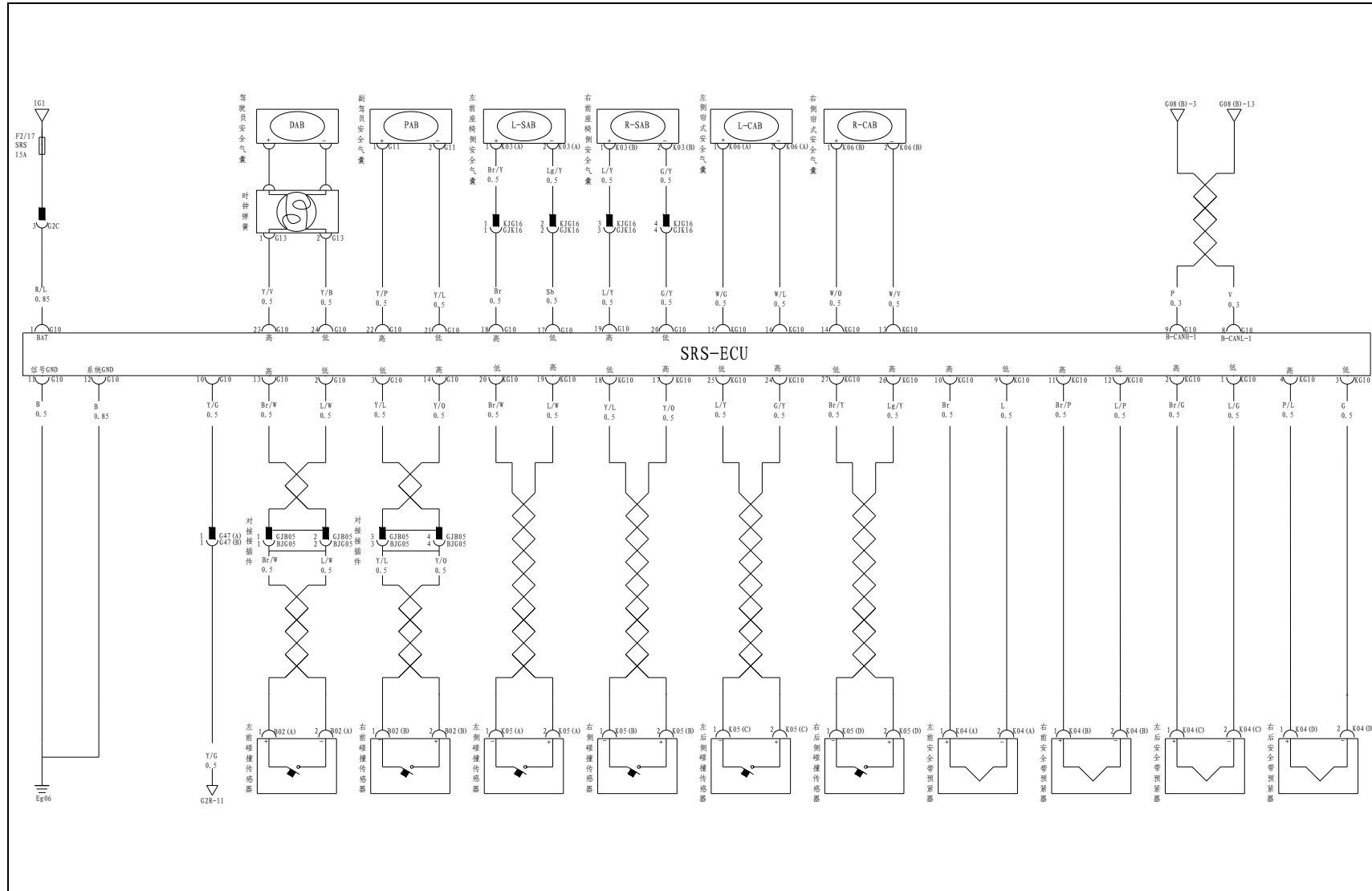
- Power Supply:** A 12V power source (IG2) is connected through a 7.5A fuse (F2/9) to a 12V terminal (G2J). The ground is connected to the chassis (L/B 0.5).
- Relay and Switch:** A relay (Kg3/1) is connected to the 12V line. It controls a switch (Kg3/2) which is connected to the 12V terminal (G21(A)).
- PM2.5 Sensor:** A PM2.5 sensor (G42) is connected to the 12V line and the chassis ground (B 0.5, Eg08).
- Light Intensity Sensor:** A light intensity sensor (GaG06) is connected to the 12V line and the chassis ground (B 0.5, Eg08).
- Temperature Sensors:** Two temperature sensors (BJG07/GJB07) are connected to the 12V line and the chassis ground (B 0.5, Eg03). One is labeled "室内温度传感器" (Indoor Temperature Sensor) and the other "室外温度传感器" (Outdoor Temperature Sensor).
- Other Components:** The diagram also shows connections for a relay (Kg3/2), a switch (Kg3/1), and a sensor (G42).

The diagram is labeled "空调控制器" (Air Conditioning Controller) at the bottom.





16、气囊（两接插件）

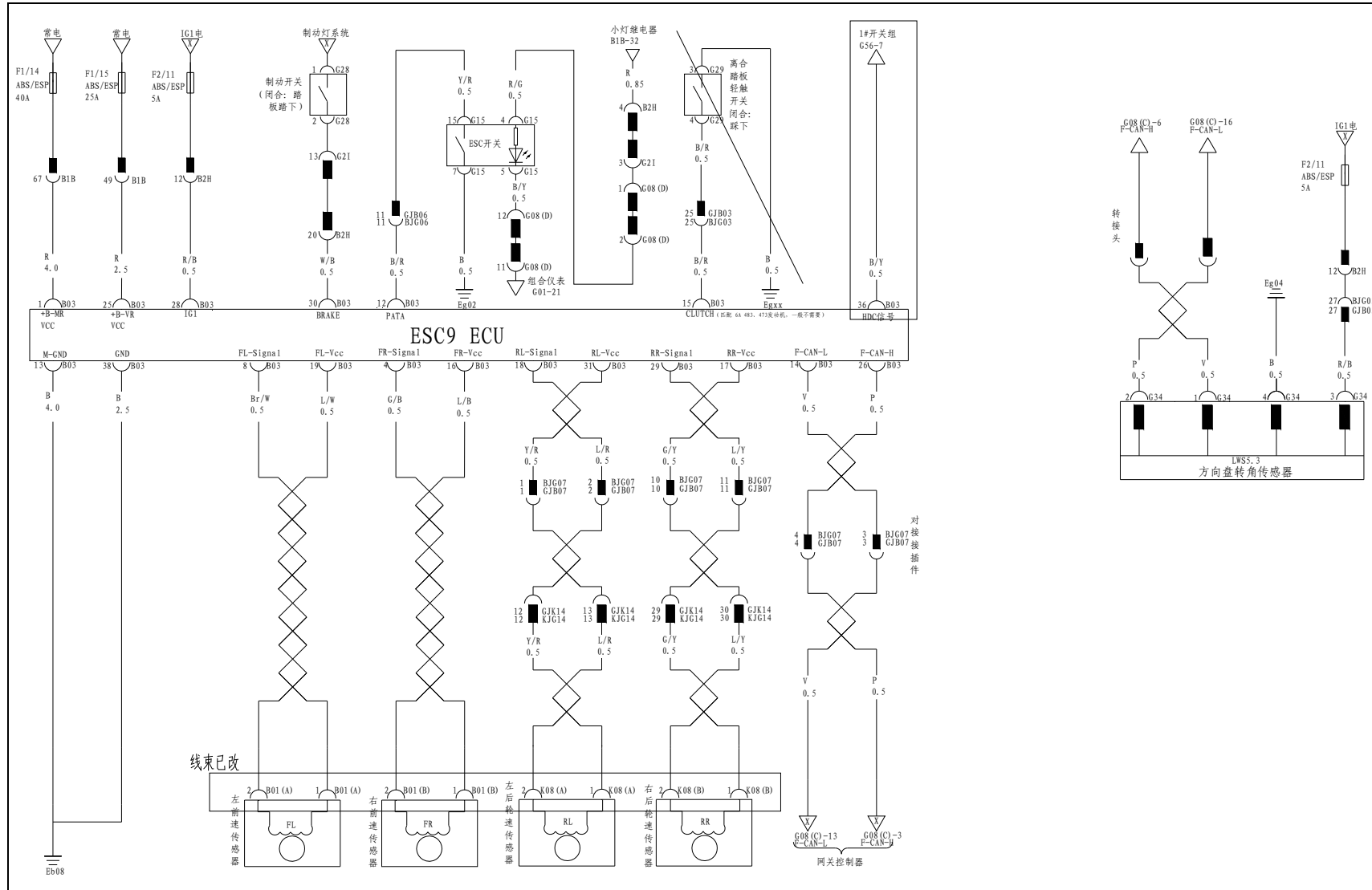


The diagram illustrates the electrical system for the SRS-ECU, which controls the Supplemental Restraint System. It shows the following components and their connections:

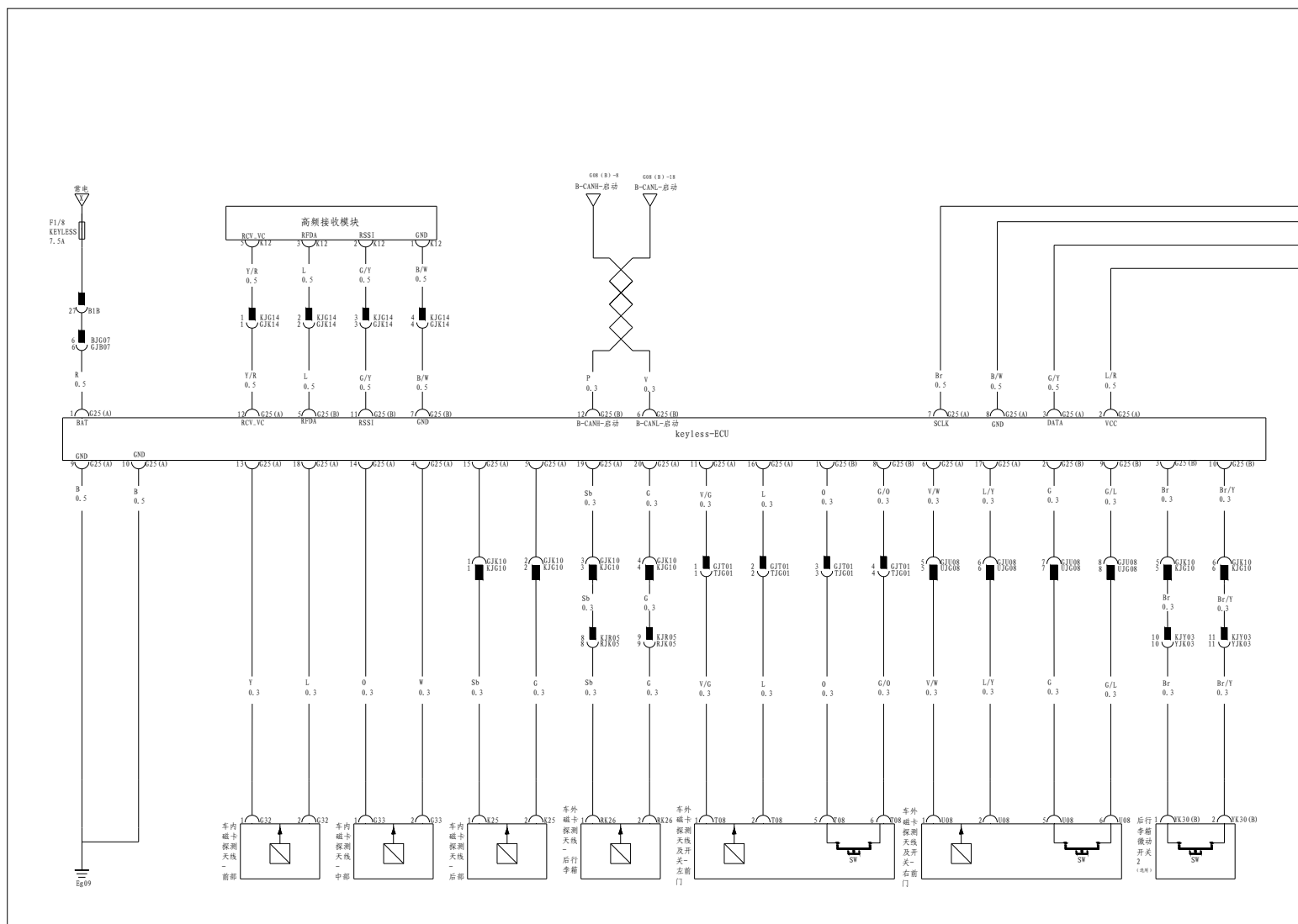
- Sensors:**
  - F2/F7 SRS ISA:** Connected to the main power supply.
  - DAB (Driver Air Bag):** Connected via a 0.85 ohm resistor.
  - PAB (Passenger Air Bag):** Connected via a 0.85 ohm resistor.
  - F-SAB-L/R (Front Side Air Bags):** Connected via 0.85 ohm resistors.
  - L-CAB (Left Curtain Air Bag):** Connected via a 0.85 ohm resistor.
  - R-CAB (Right Curtain Air Bag):** Connected via a 0.85 ohm resistor.
  - R-SAB-L/R (Rear Side Air Bags):** Connected via 0.85 ohm resistors.
  - KAB-L/R (Knee Air Bags):** Connected via 0.85 ohm resistors.
  - B-CAN-1/B-CAN-2:** Connected to the CAN bus.
- Actuators:**
  - Ignition Switch:** Connected to the main power supply.
  - Engine Speed Sensor (G67/G68):** Connected to the ECU.
  - Brake Pedal Position Sensor (G69/G70):** Connected to the ECU.
  - Seat Belt Buckle Sensors (G61-G64):** Connected to the ECU.
  - Door Open Sensors (G65-G68):** Connected to the ECU.
  - Window Lock Sensors (G69-G72):** Connected to the ECU.
  - Trunk Lock Sensor (G73):** Connected to the ECU.
  - Engine Oil Pressure Sensor (G74):** Connected to the ECU.
  - Engine Coolant Temperature Sensor (G75):** Connected to the ECU.
  - Engine Water Temperature Sensor (G76):** Connected to the ECU.
  - Engine Air Flow Sensor (G77):** Connected to the ECU.
  - Engine Mass Air Flow Sensor (G78):** Connected to the ECU.
  - Engine Throttle Position Sensor (G79):** Connected to the ECU.
  - Engine Crankshaft Position Sensor (G80):** Connected to the ECU.
  - Engine Camshaft Position Sensor (G81):** Connected to the ECU.
  - Engine Knock Sensor (G82):** Connected to the ECU.
  - Engine Vibration Sensor (G83):** Connected to the ECU.
  - Engine Noise Sensor (G84):** Connected to the ECU.
  - Engine Exhaust Gas Oxygen Sensor (G85):** Connected to the ECU.
  - Engine Exhaust Gas Temperature Sensor (G86):** Connected to the ECU.
  - Engine Exhaust Gas Pressure Sensor (G87):** Connected to the ECU.
  - Engine Exhaust Gas Flow Sensor (G88):** Connected to the ECU.
  - Engine Exhaust Gas Composition Sensor (G89):** Connected to the ECU.
  - Engine Exhaust Gas Concentration Sensor (G90):** Connected to the ECU.
  - Engine Exhaust Gas Velocity Sensor (G91):** Connected to the ECU.
  - Engine Exhaust Gas Density Sensor (G92):** Connected to the ECU.
  - Engine Exhaust Gas Viscosity Sensor (G93):** Connected to the ECU.
  - Engine Exhaust Gas Surface Tension Sensor (G94):** Connected to the ECU.
  - Engine Exhaust Gas Wettability Sensor (G95):** Connected to the ECU.
  - Engine Exhaust Gas Adhesiveness Sensor (G96):** Connected to the ECU.
  - Engine Exhaust Gas Roughness Sensor (G97):** Connected to the ECU.
  - Engine Exhaust Gas Flatness Sensor (G98):  - Engine Exhaust Gas Porosity Sensor (G99):** Connected to the ECU.
  - Engine Exhaust Gas Permeability Sensor (G100):** Connected to the ECU.**



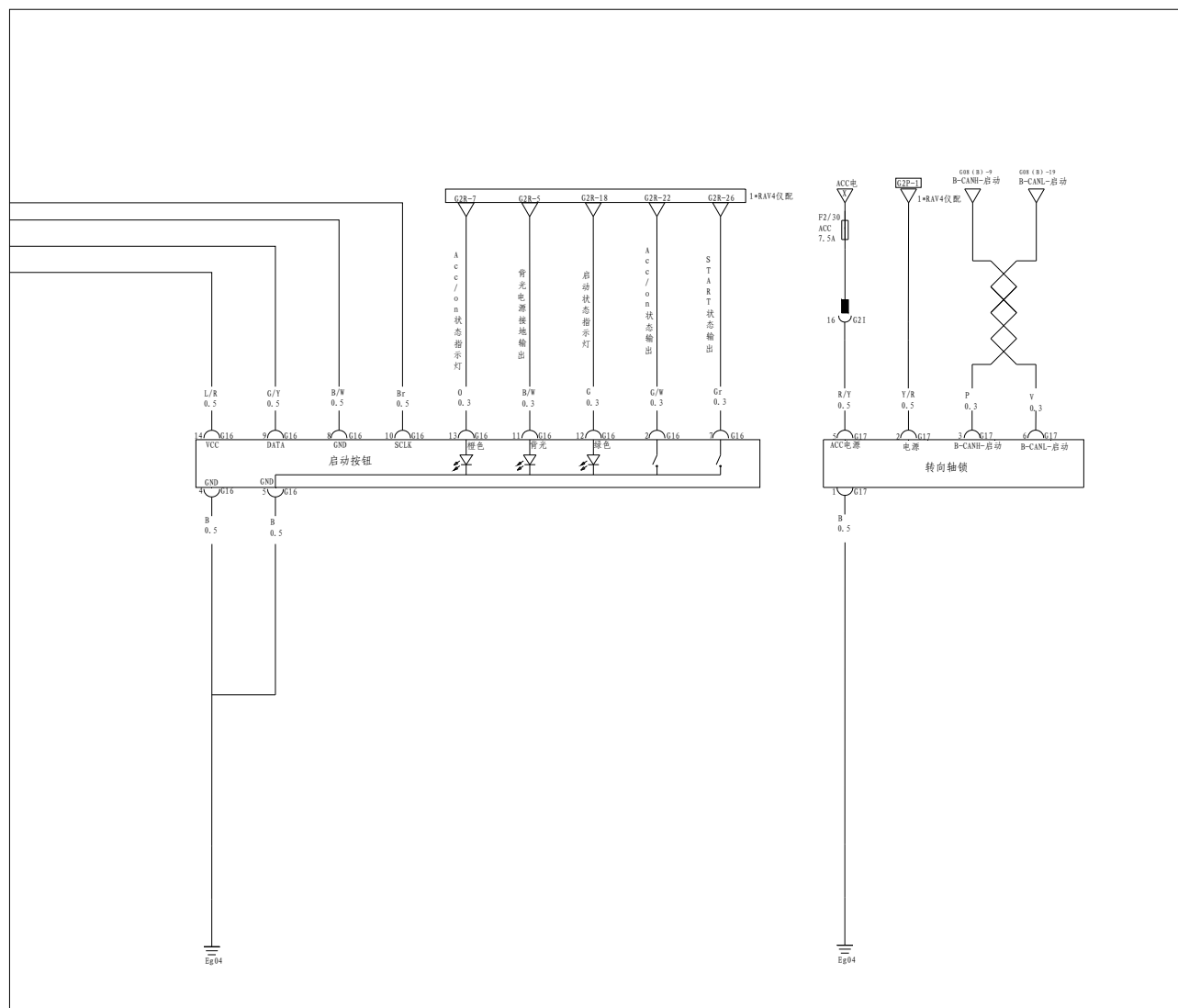
18、ESP 系统



## 19.1、智能钥匙系统（1）



## 19.2、智能钥匙系统（2）



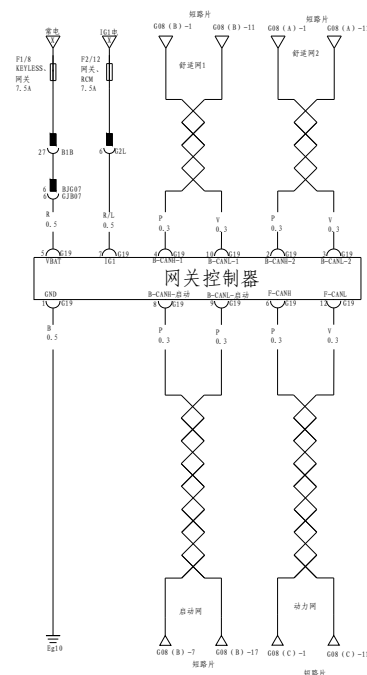








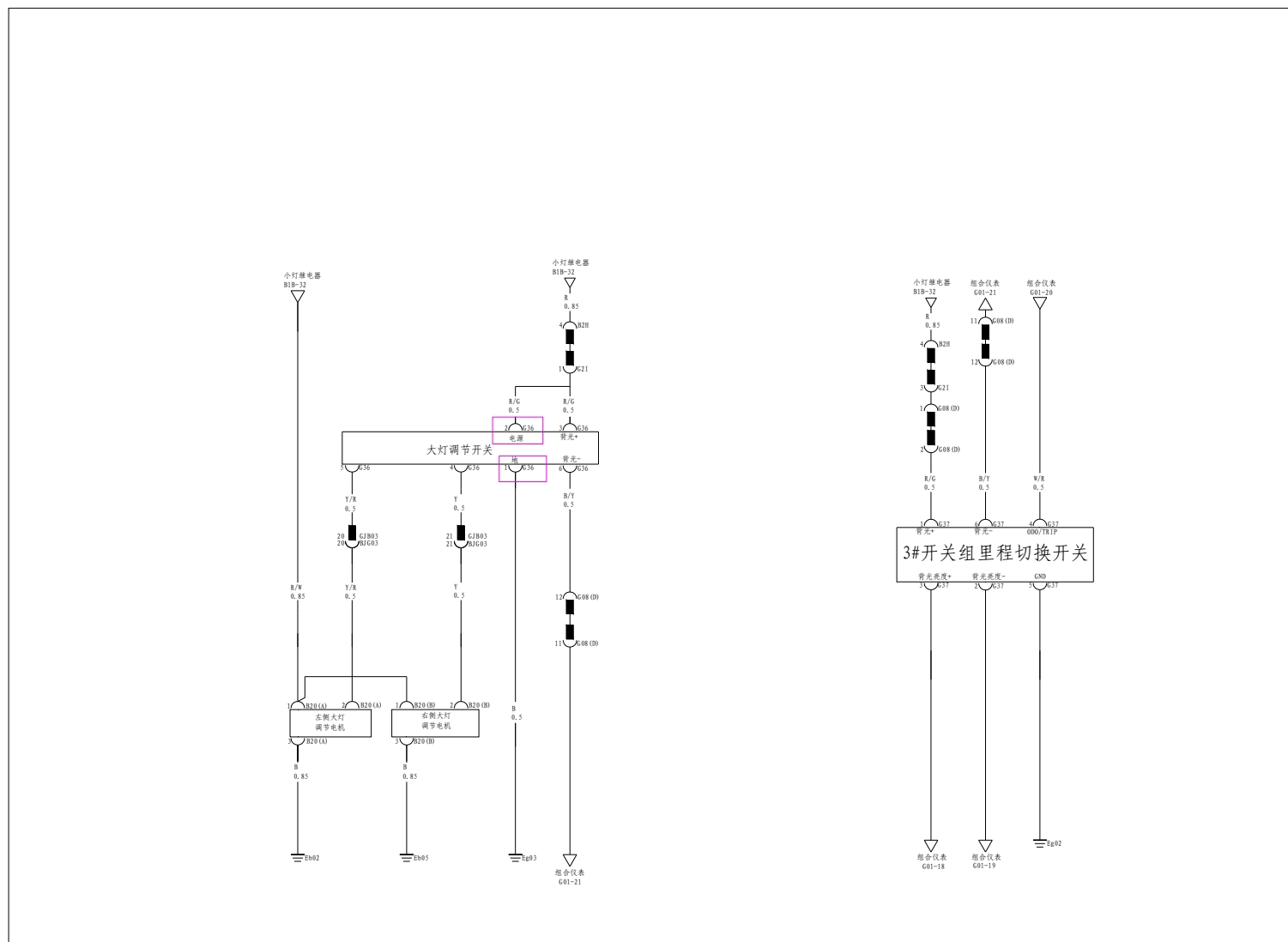
## 22、网关



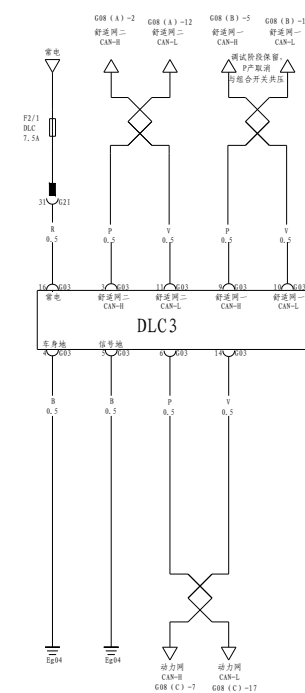
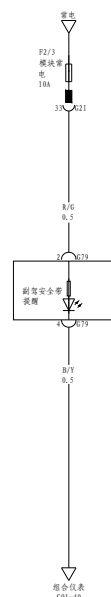
## 23、驻车辅助系统



## 24、大灯调节开关、3#开关组

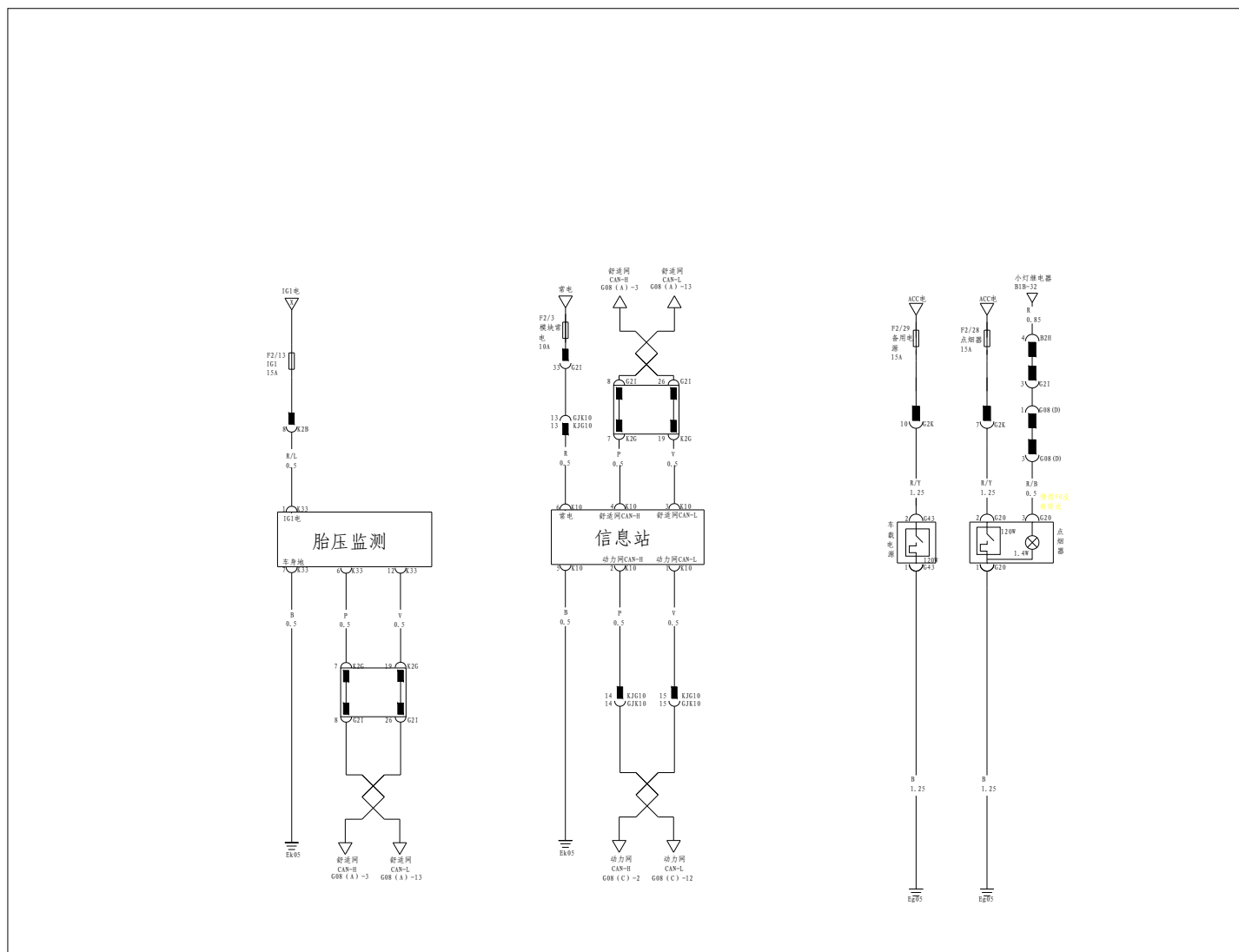




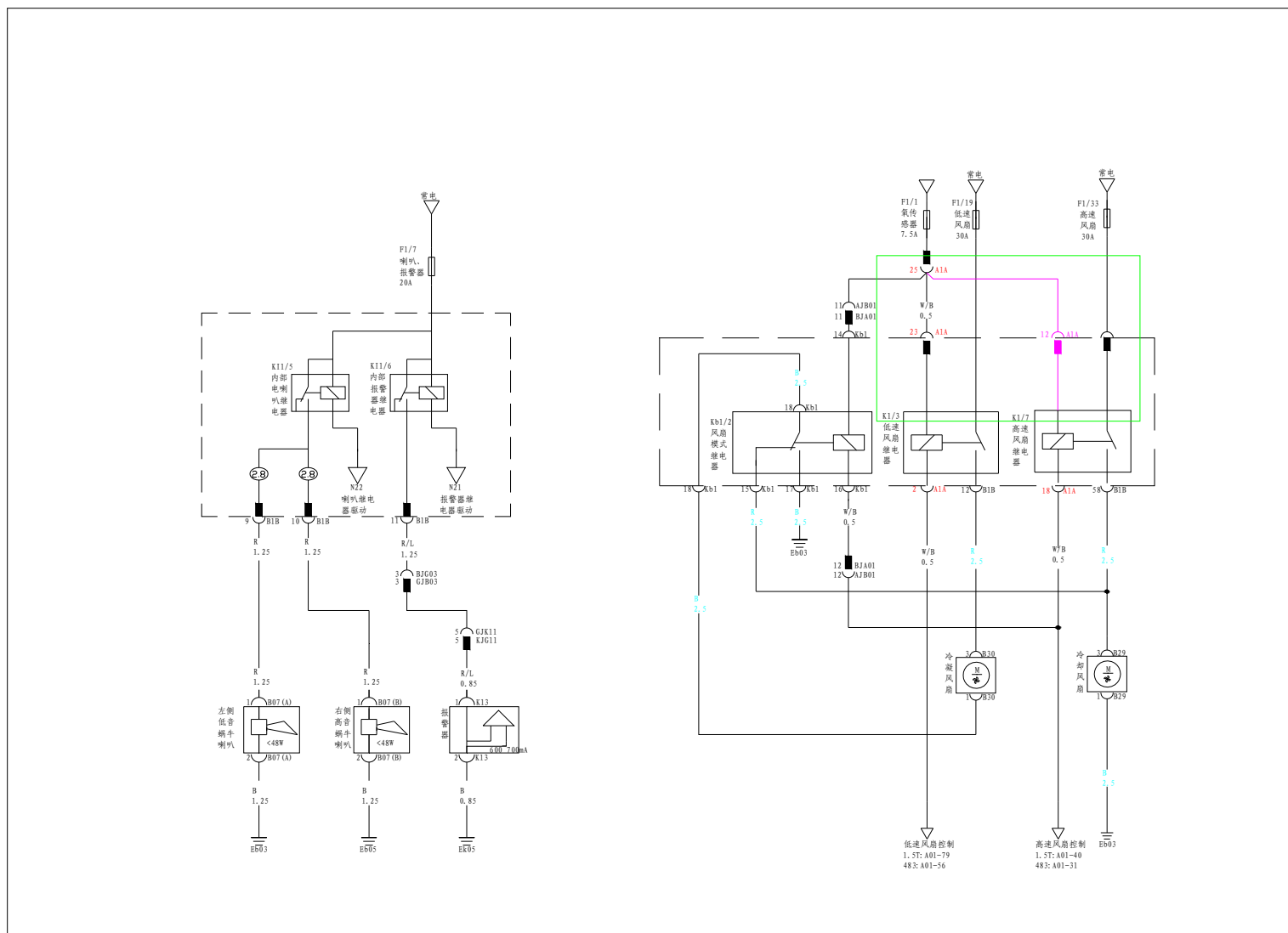




27、信息站、胎压、点烟器

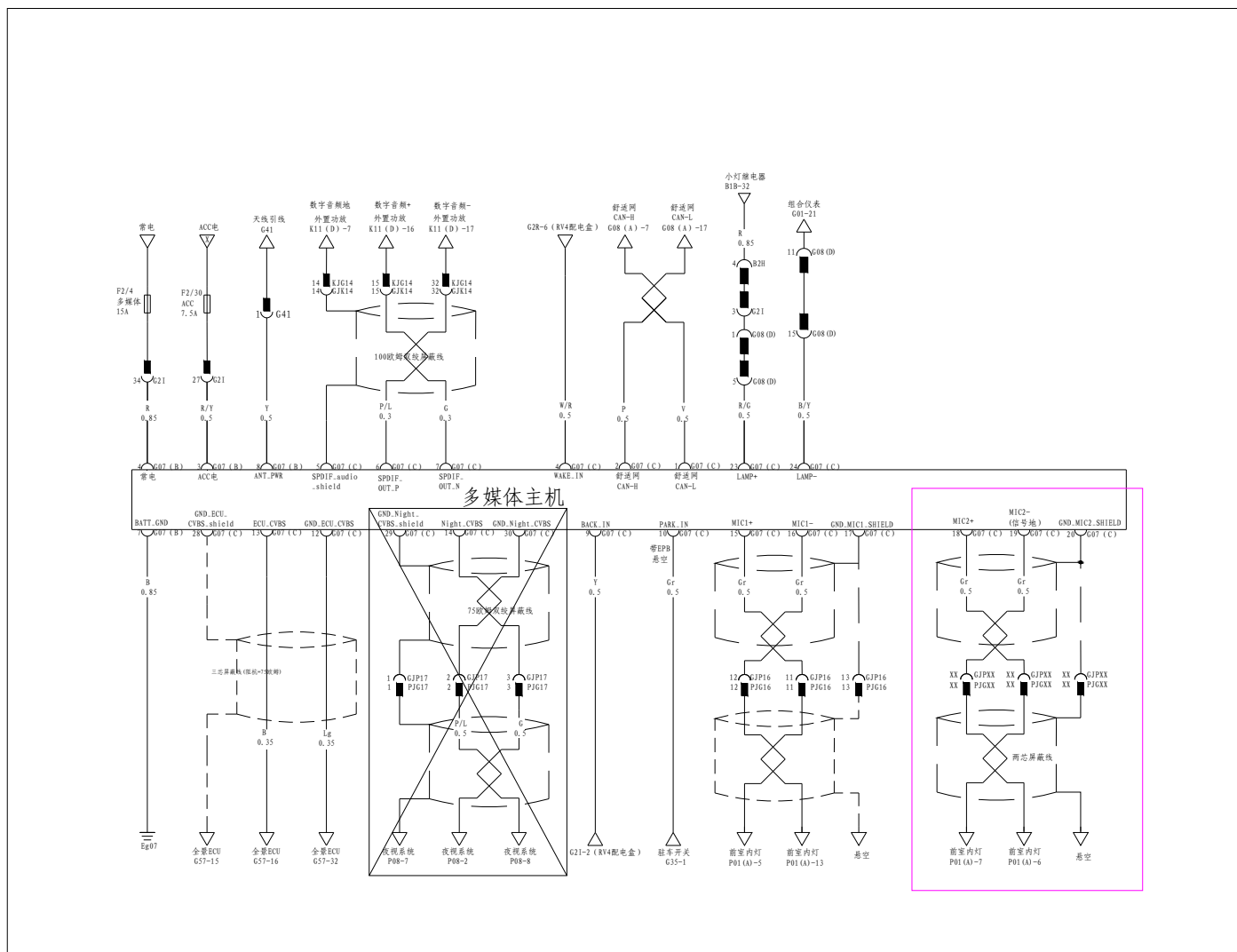


## 28、喇叭、报警器、电子风扇

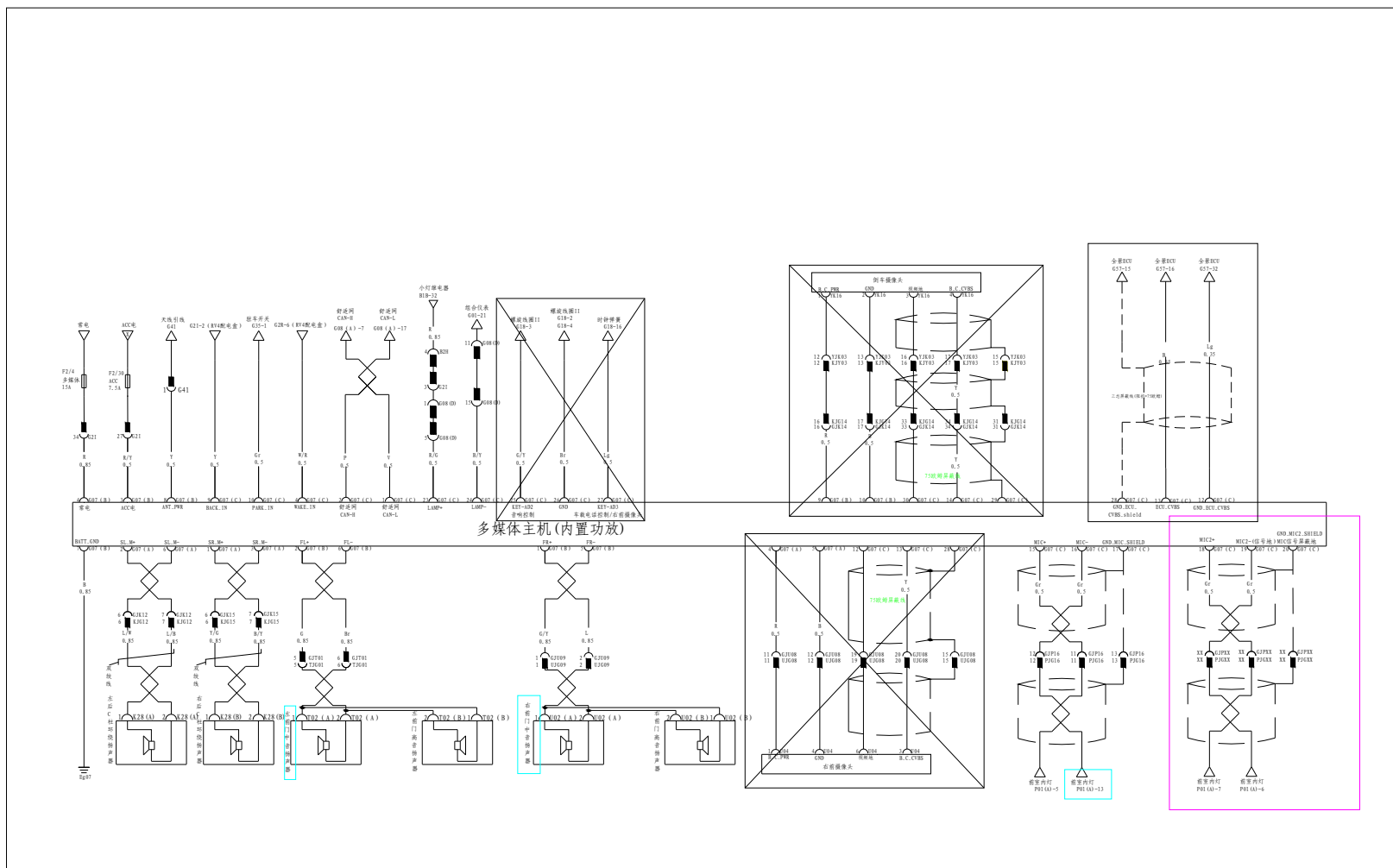


[illegible]

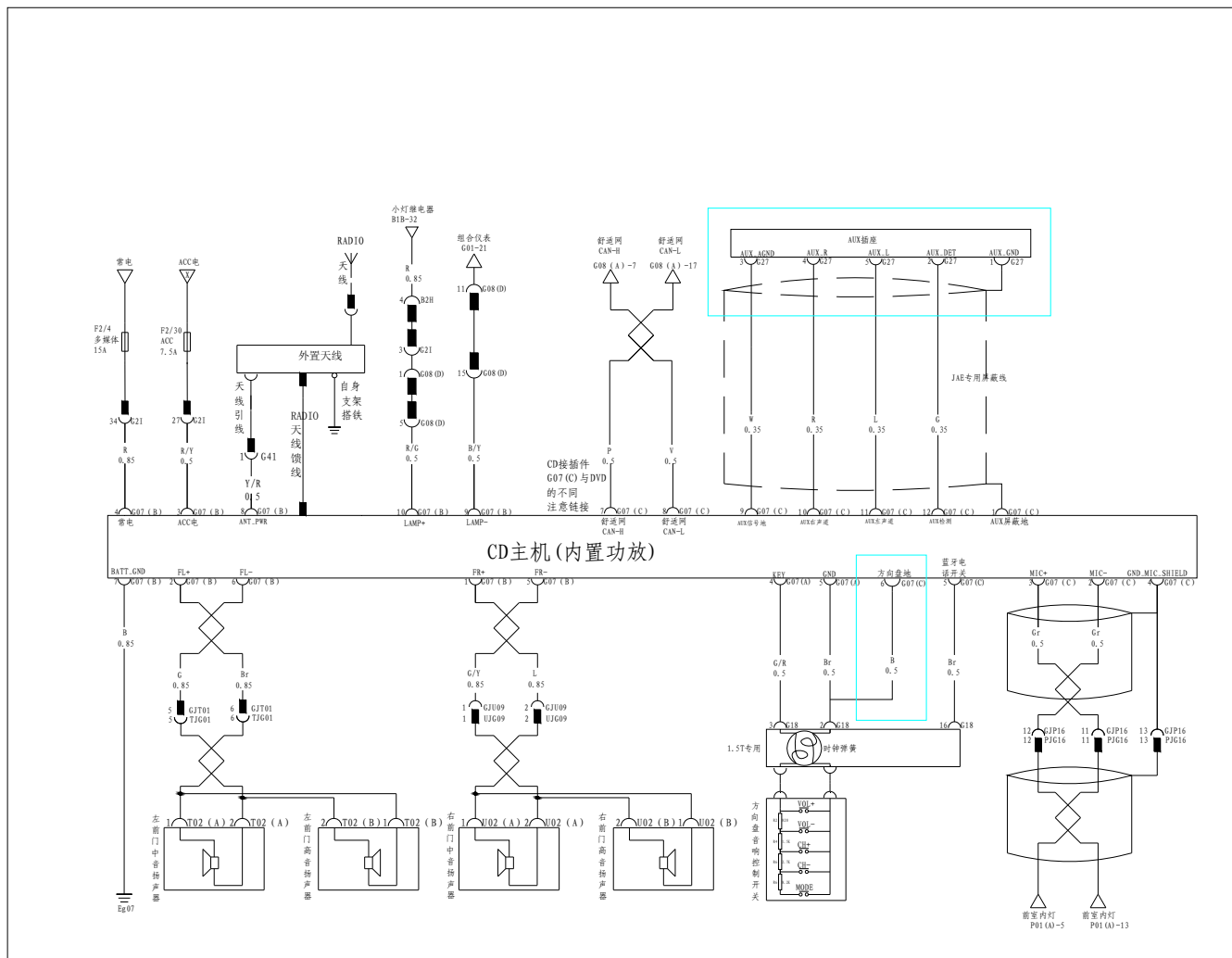
### 29、多媒体系统（高配）



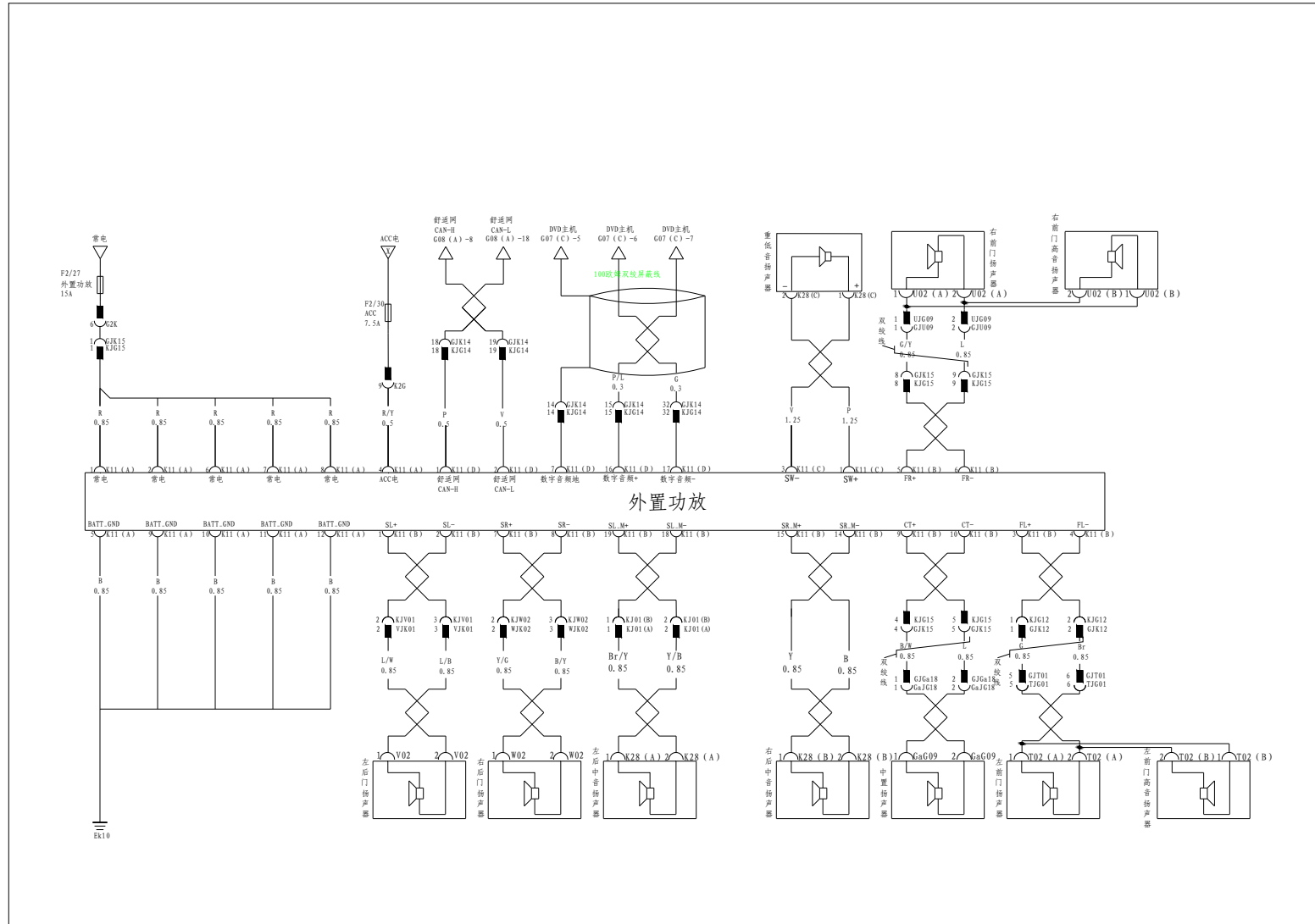
### 30、多媒体系统（中配）



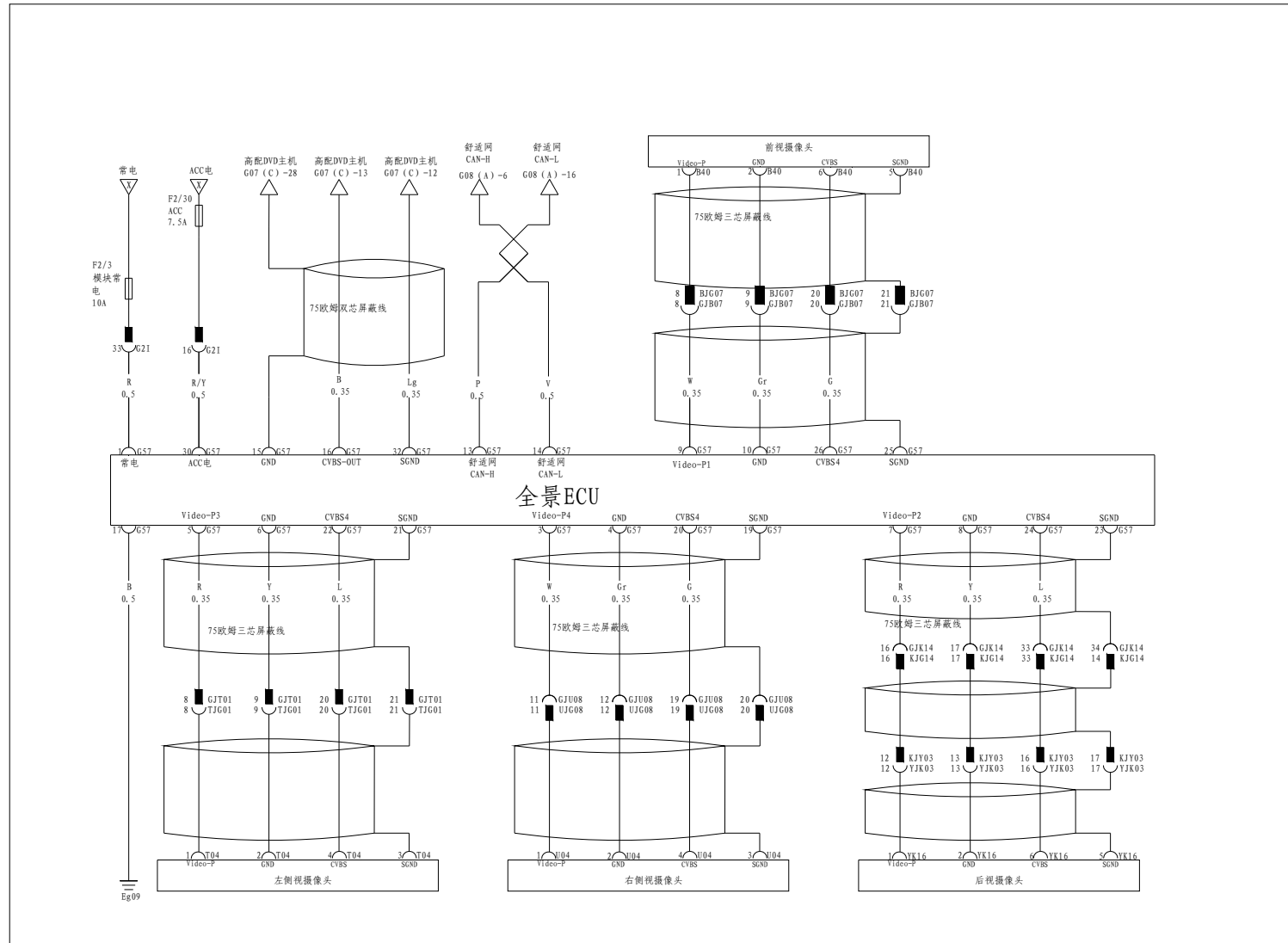
### 31、多媒体系统（低配）



## 32、外置功放



### 33、全景影像

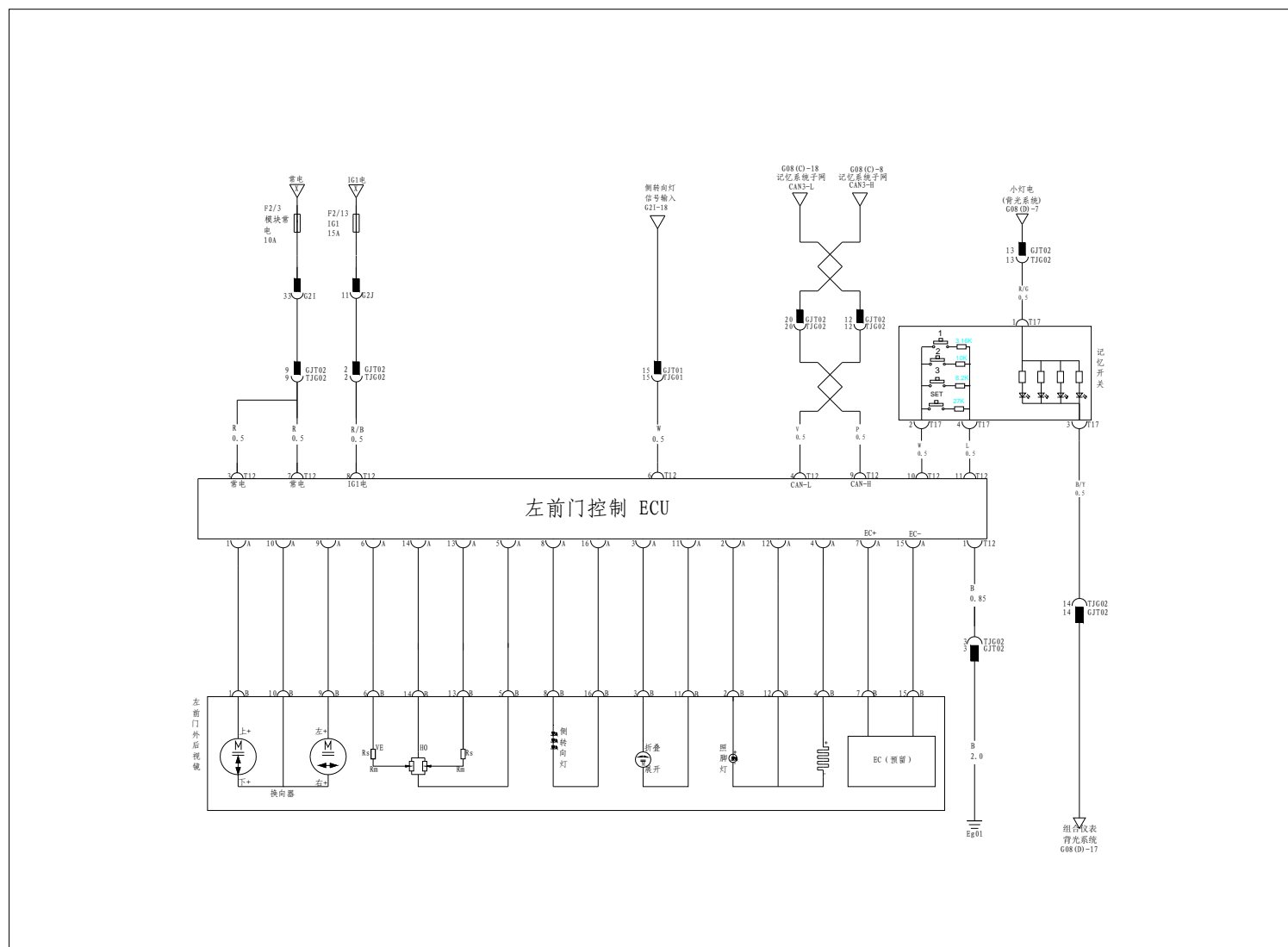








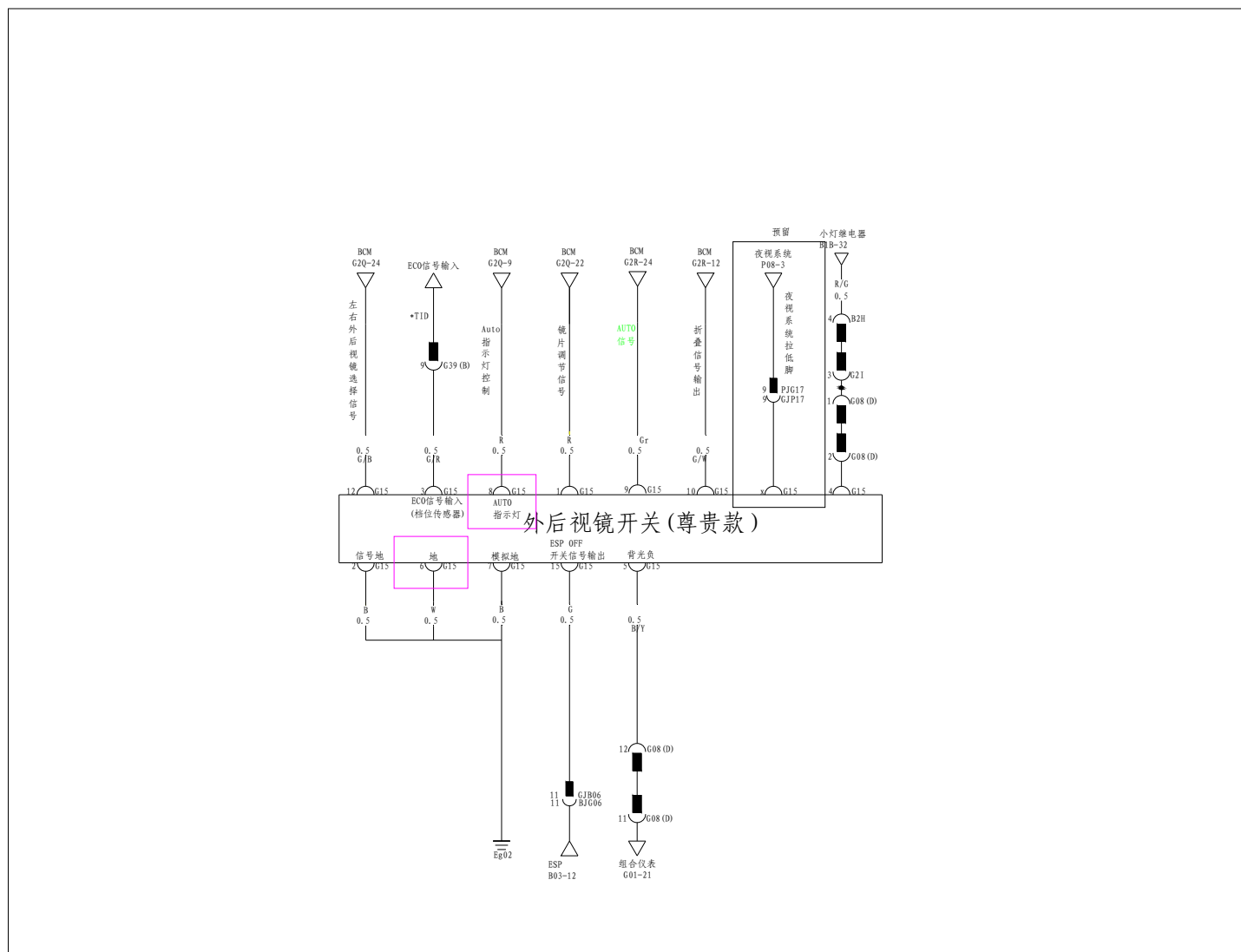
### 35、左门控系统



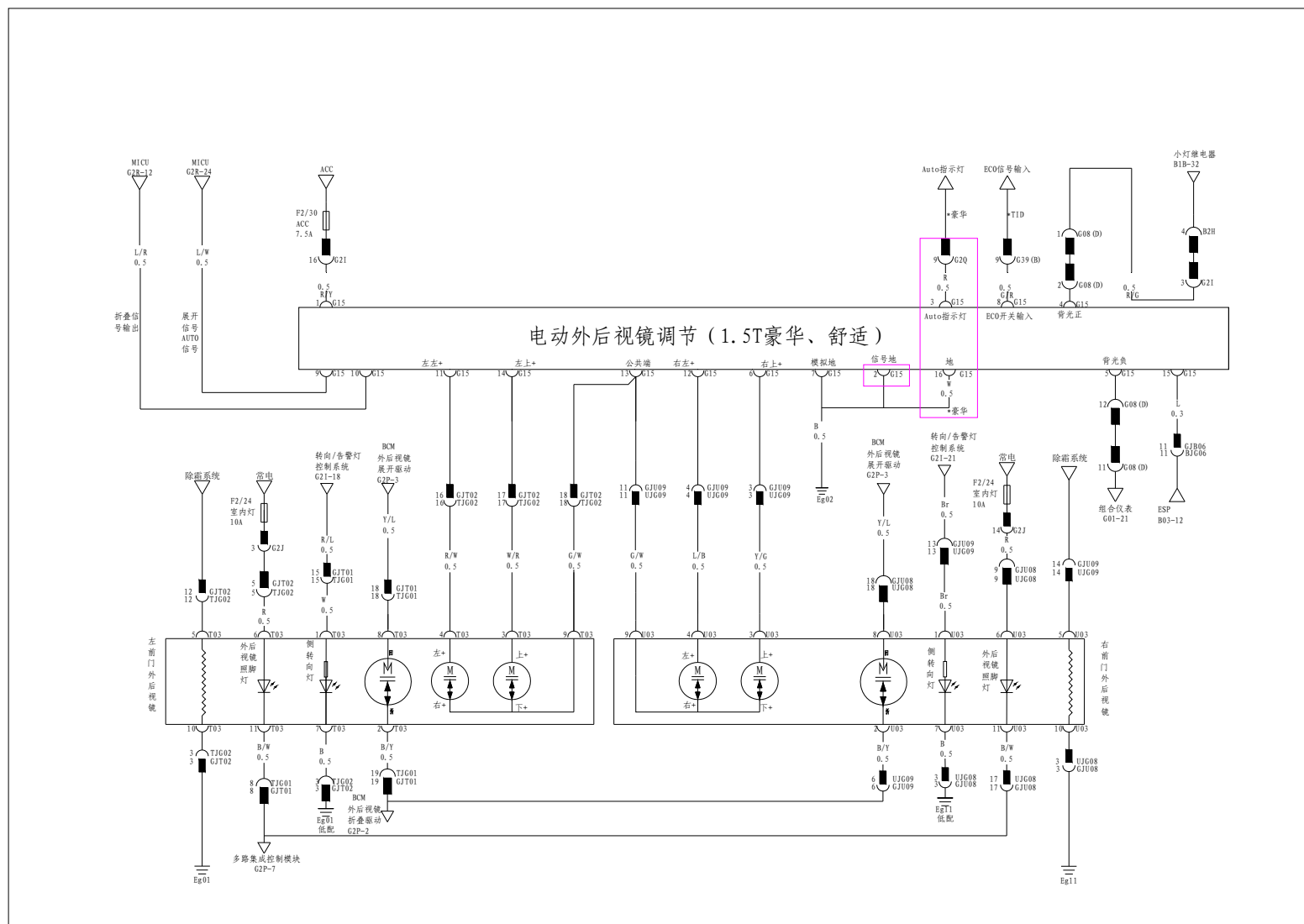
The diagram illustrates the electrical system for the right front door control ECU. Key components include:

- Relays and Switches:** F2/3 (模块继电器 10A), F2/13 (15A), G21, G2J, G2I-21 (转向灯信号输入).
- Sensors and Actuators:** GJU09 (UJG09), GJU08 (UJG08), GJU09 (UJG09), GJU08 (UJG08), GJU09 (UJG09), GJU08 (UJG08), GJU09 (UJG09), GJU08 (UJG08).
- ECU Connections:** Pins 1 through 17 are connected to various components. Pin 16 is labeled "常电" (Constant Power). Pin 17 is labeled "搭铁" (Grounding).
- CAN Bus:** Connections for CAN-L and CAN-H are shown.
- Power Supply:** B+ (0.85V), B- (0.85V), and EG11 (Grounding) are indicated.

### 37、电动外后视镜系统（高配）



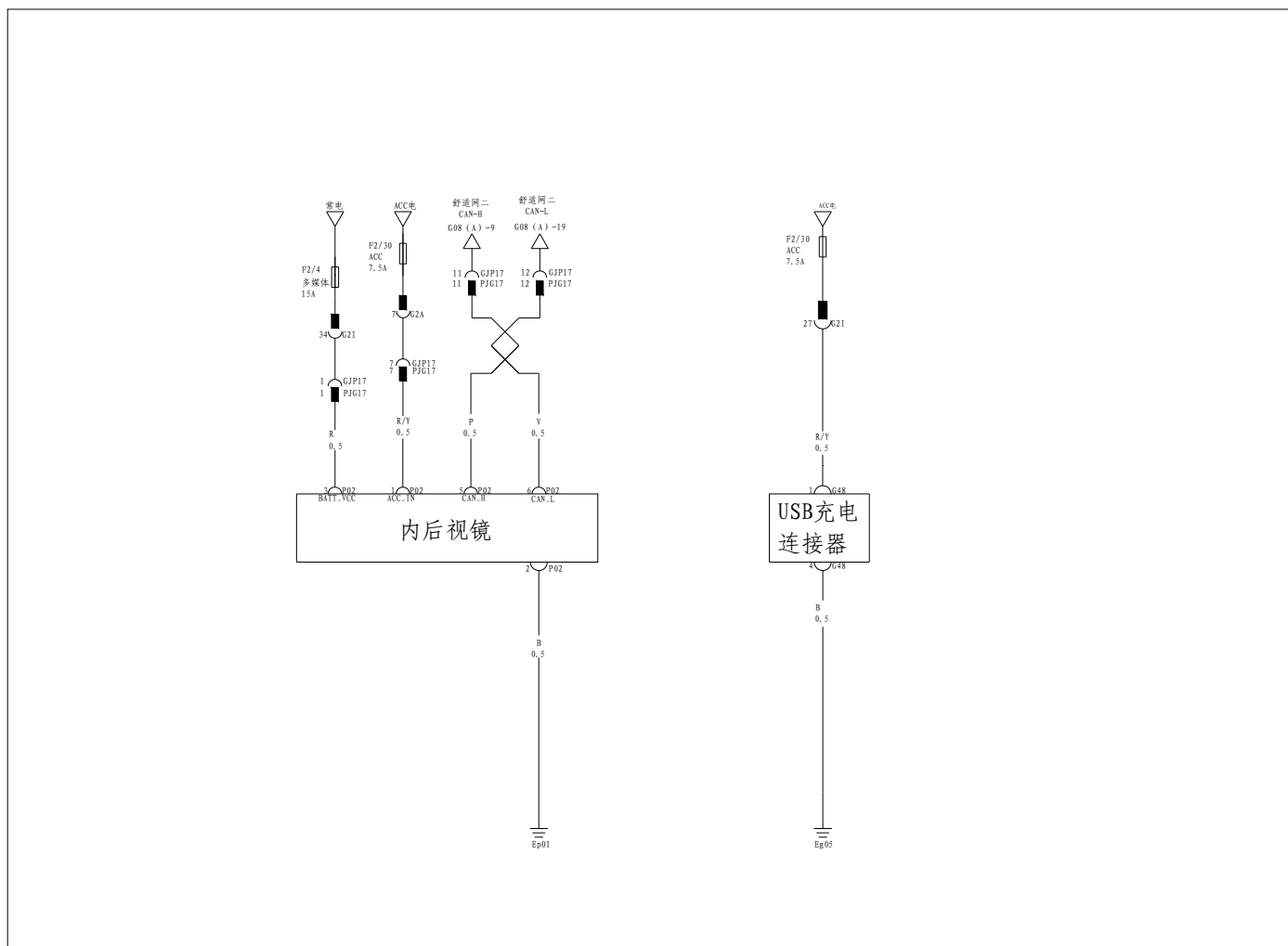
### 38、电动外后视镜系统（低配）



### 39、除霜系统

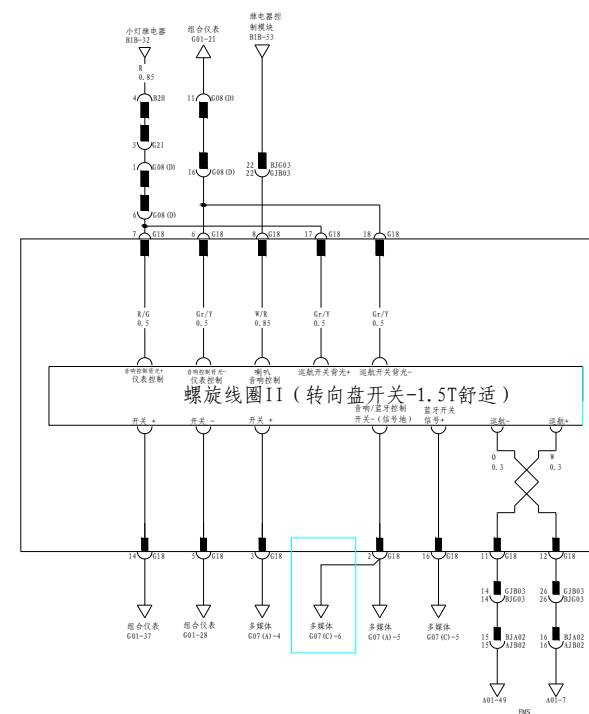
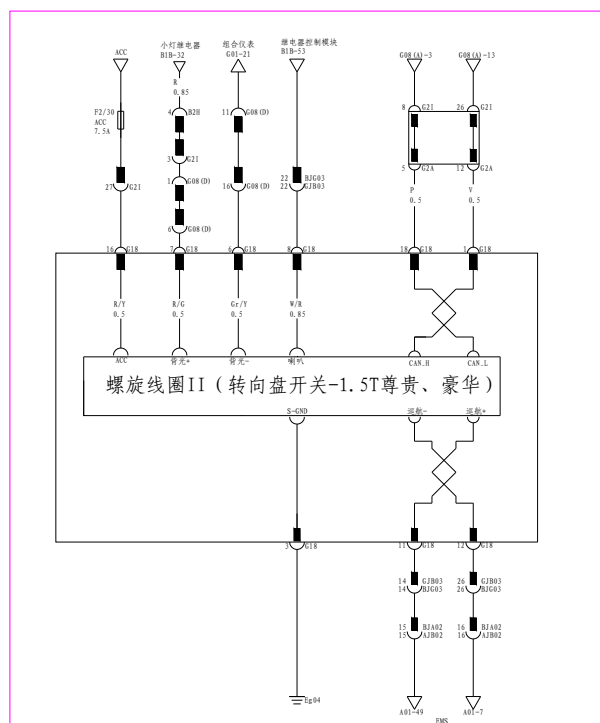


# 40、行车记录仪

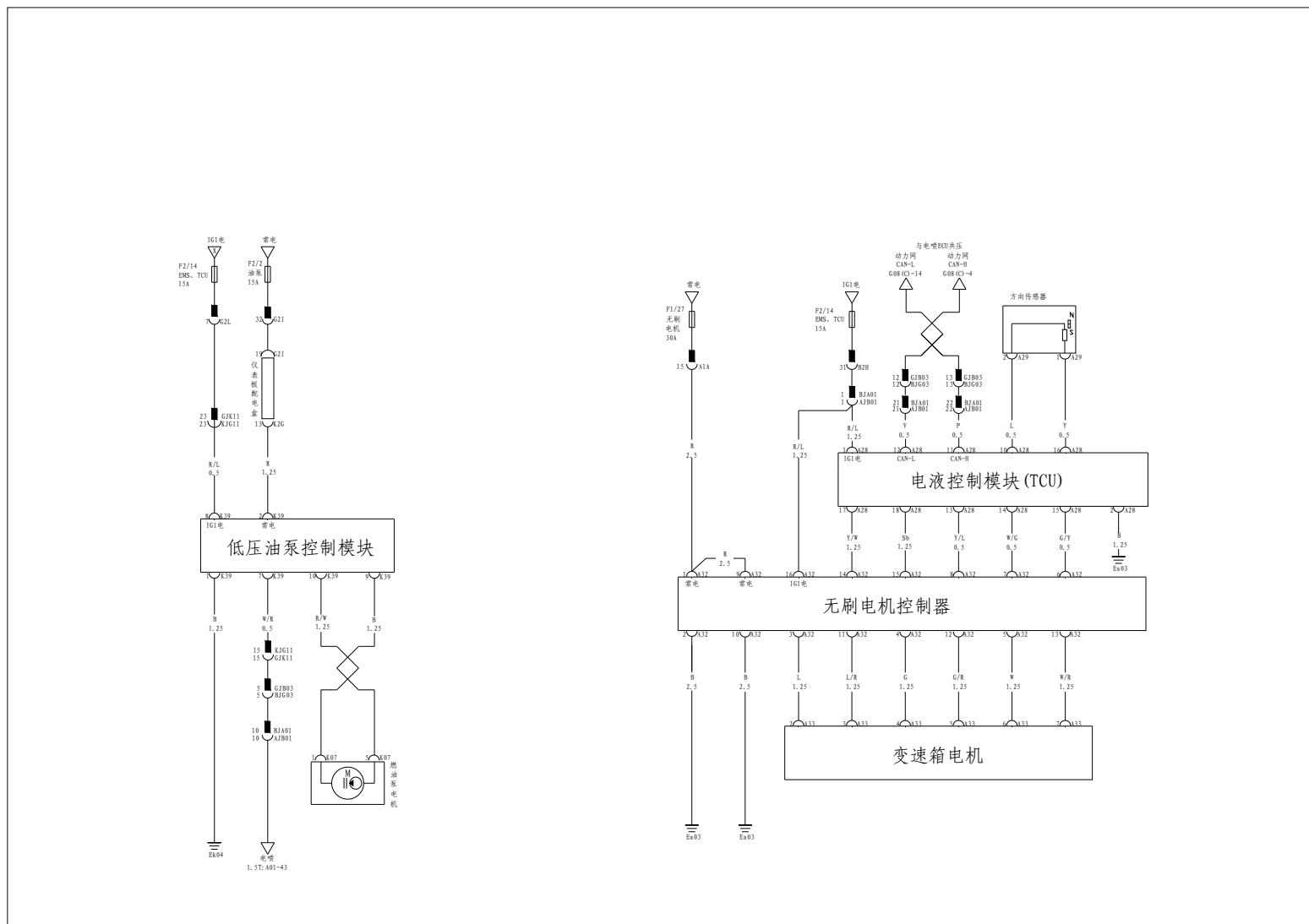




## 41、螺旋线圈



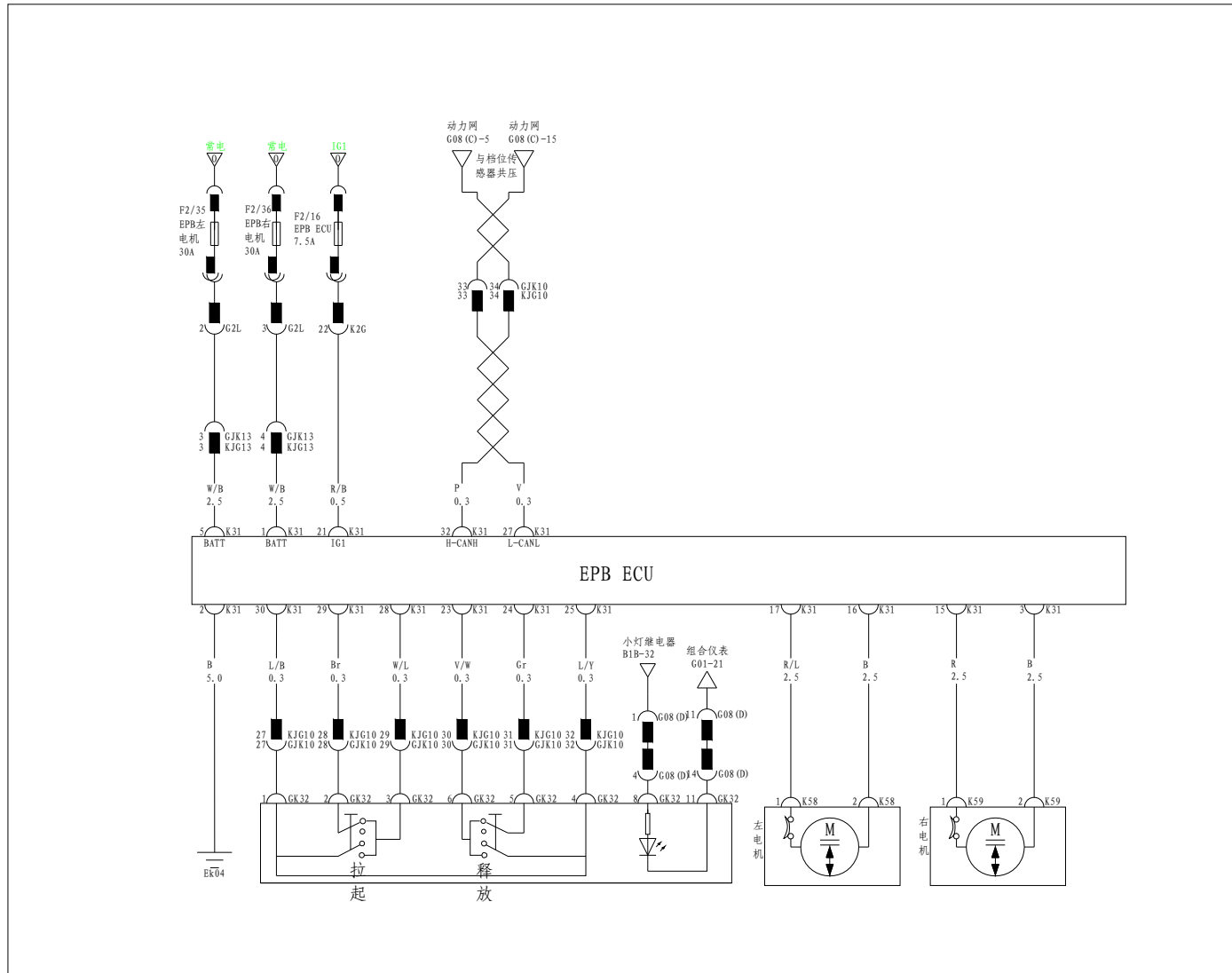
# 41、低压油泵、无刷电机



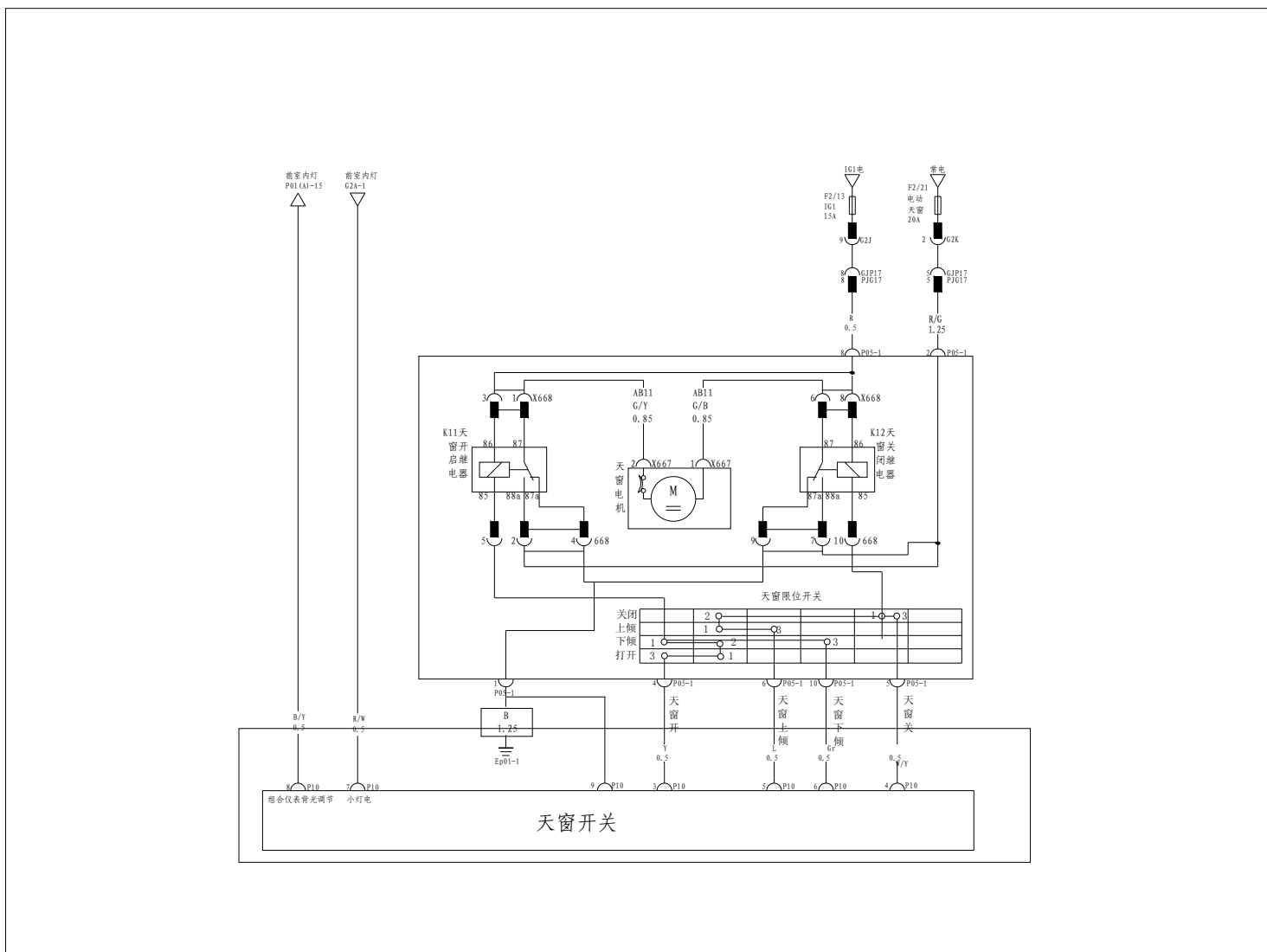
[illegible]



43、EPB

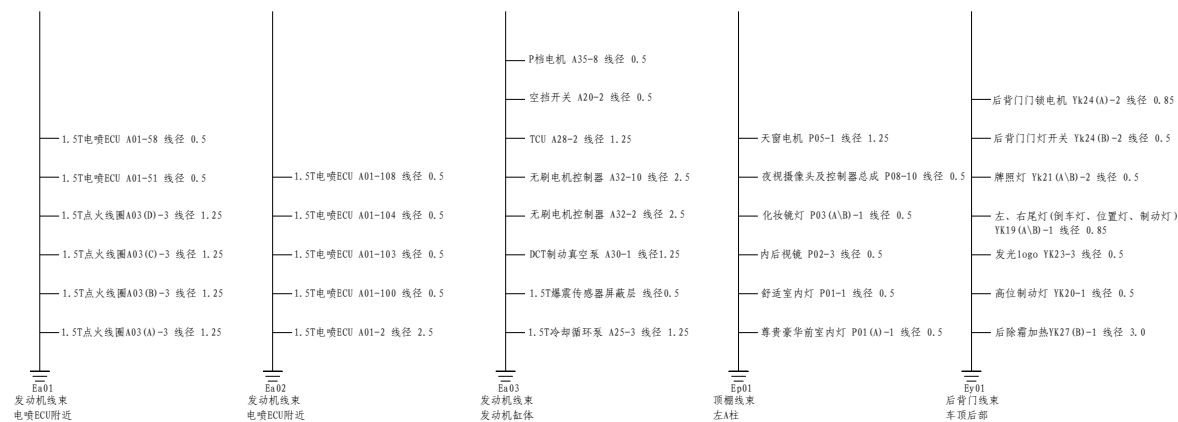


### 43、天窗系统（豪华）

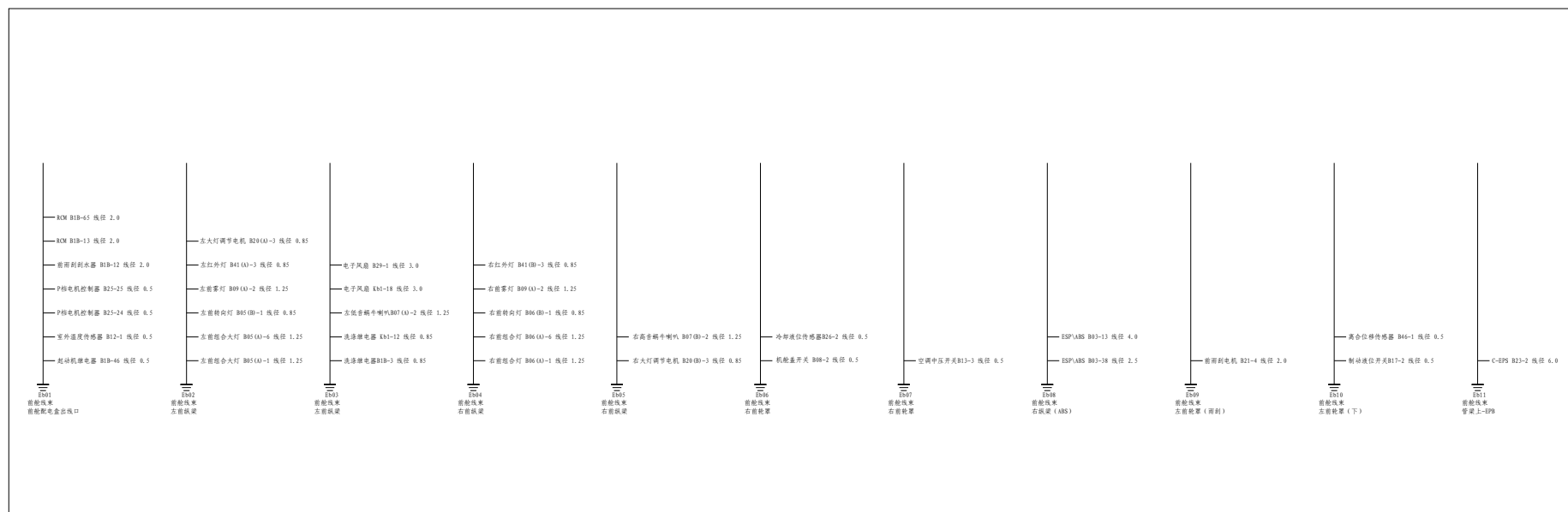




## 45.1、接地 1



## 45.2、接地 2

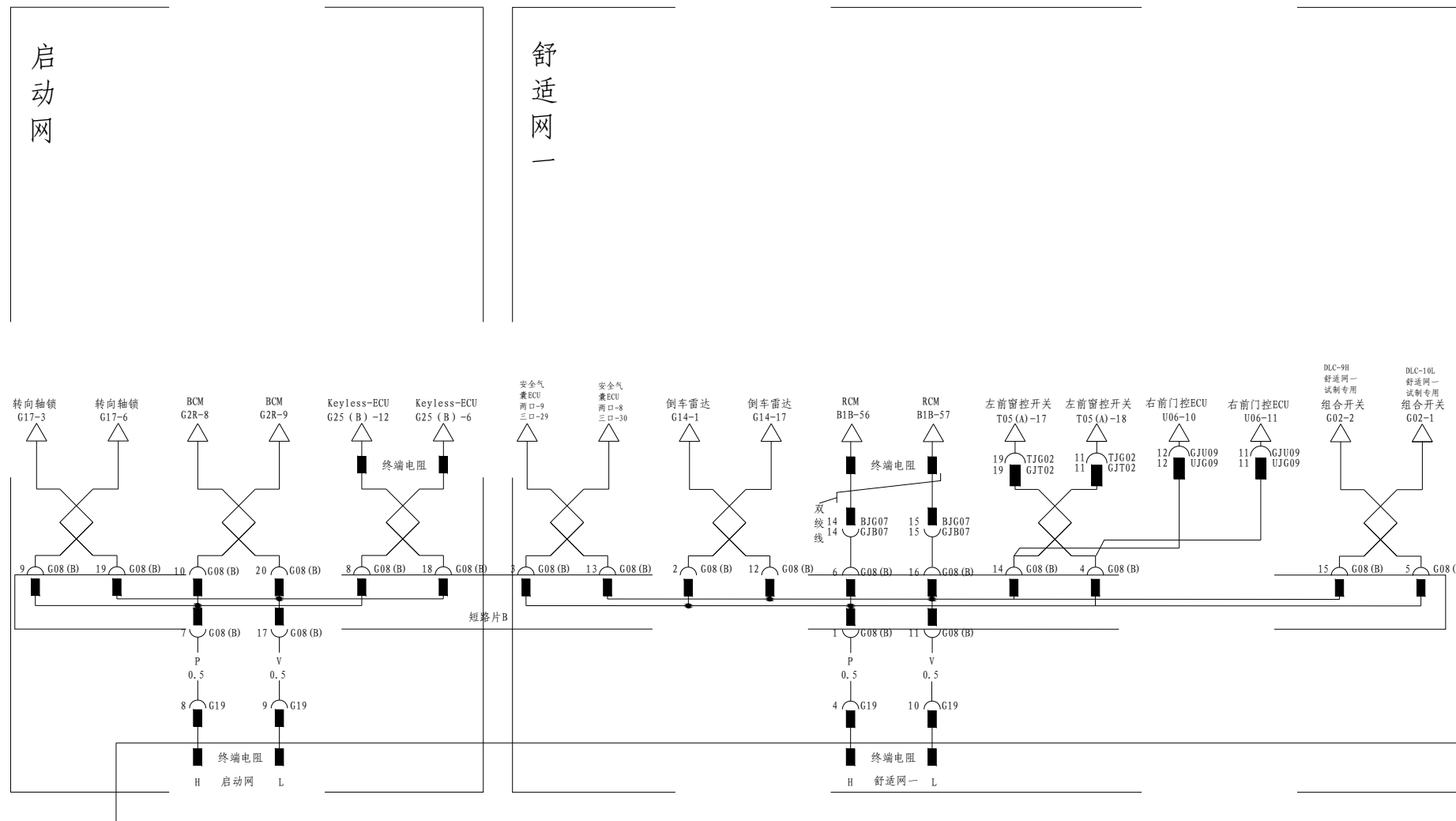




Tray Label	Tray Name	Cable List
E201	仪表柜支架	BCW 62P-14 线径 8.5 东管管控开关 T85(40-10) 线径 2.0 BCW 62I-13 线径 2.0 BCW 62I-20 线径 8.5 东门支架 (外部视频监控、门禁IC卡、门禁对讲、门禁电话、门禁指示) 62T82-3 线径 2.0
E202	仪表柜支架	00017124000 62P-14 线径 8.5 主驾座椅IC卡读卡器 62a-2 线径 8.5 主驾脚踏灯 62B(40-1) 线径 8.5 制动灯开关 62B-4 线径 8.5 电动升降座椅调节开关613-313 线径 8.5
E203	仪表柜支架	指令开关 602-3 线径 8.5 大灯调节开关 616-2 线径 8.5 室内温度传感器 603-1 线径 8.5 离合器开关 62B-2 线径 8.5 闪光继电器 621-36 线径 8.85
E204	仪表柜支架	转向灯开关 (1.35常亮) 618-3 线径 8.5 转向灯传感器 614-4 线径 8.5 组合仪表601-11132 线径 8.5 诊断接口603-413 线径 8.5 脚踏油门 617-1 线径 8.5 启动按钮614-413 线径 8.5
E205	仪表柜支架	1000无电口 610-4 线径 8.5 备用电源 644-14 线径 1.25 点烟器 620-1 线径 1.25 座椅加热开关 620-8 线径 1.25 多警灯开关 614-3 线径 8.5
E206	仪表柜支架	出口瓶安全气量ECU 618-3 线径 8.85 出口瓶安全气量ECU 618-38 线径 8.5 国内瓶安全气量ECU 618-12 线径 8.85 国内瓶安全气量ECU 618-11 线径 8.5
E207	仪表柜支架	倒车雷达开关 618-5 线径 8.5 转向灯机构 618(40-313) 线径 8.5 转向灯传感器 618(40-1138) 线径 8.5 ECU开关 614-2 线径 8.5 DPD/C2 607(40-3) 线径 8.85
E208	仪表柜支架	空调小线 (蒸发器) 622-23 线径 8.5 空调小线 622-11 线径 2.0 PM2.5测试仪 642-1 线径 8.5 鼓风机调速模块 624-1 线径 3.0
E209	仪表柜支架	空调控制箱 621(40-18) 线径 8.5 空调控制箱 621(40-19) 线径 8.5 余量模块 627-17 线径 8.5 Keyless ECU 623(40-418) 线径 8.5
E210	仪表柜支架	空调控制箱647-418126 线径 8.5 副驾脚踏灯 62B(40-1) 线径 8.5 网壳618-3 线径 8.5
E211	仪表柜支架	右前门 (右外后视镜除霜加热、右前转向灯、门控IC卡、门控器位置门喇叭、门控除霜) 62B-3 线径 2.0



## 46.1、网络拓扑



## 46.2、网络拓扑

舒适网二

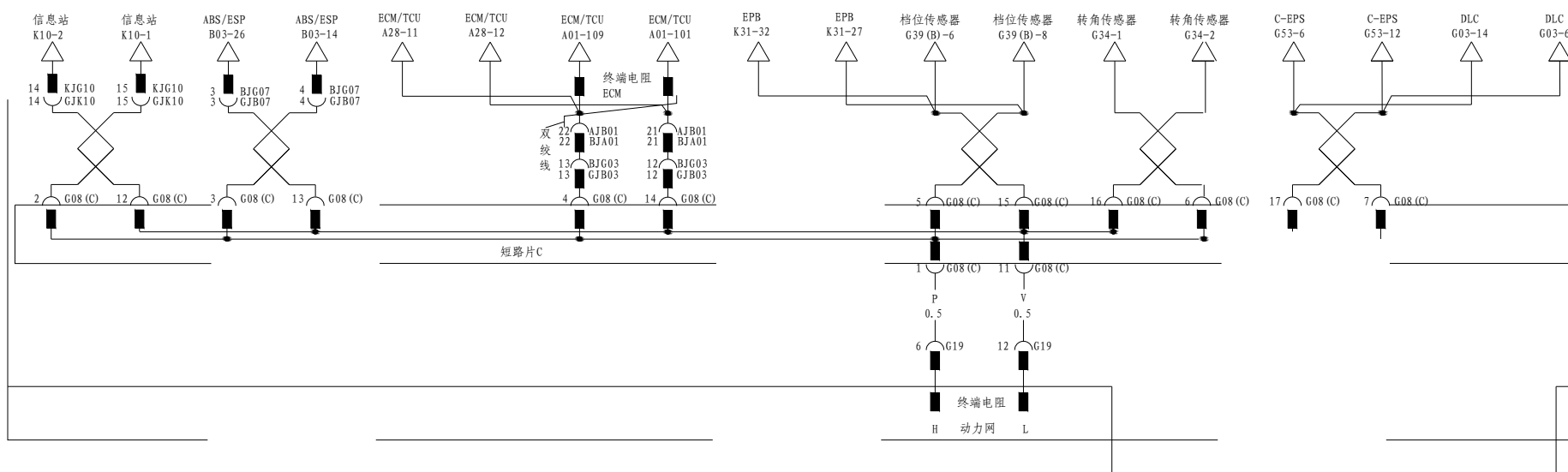
网关

终端电阻

舒适网二

### 46.3、网络拓扑

动力网



#### 46.4、网络拓扑

记忆子网

