

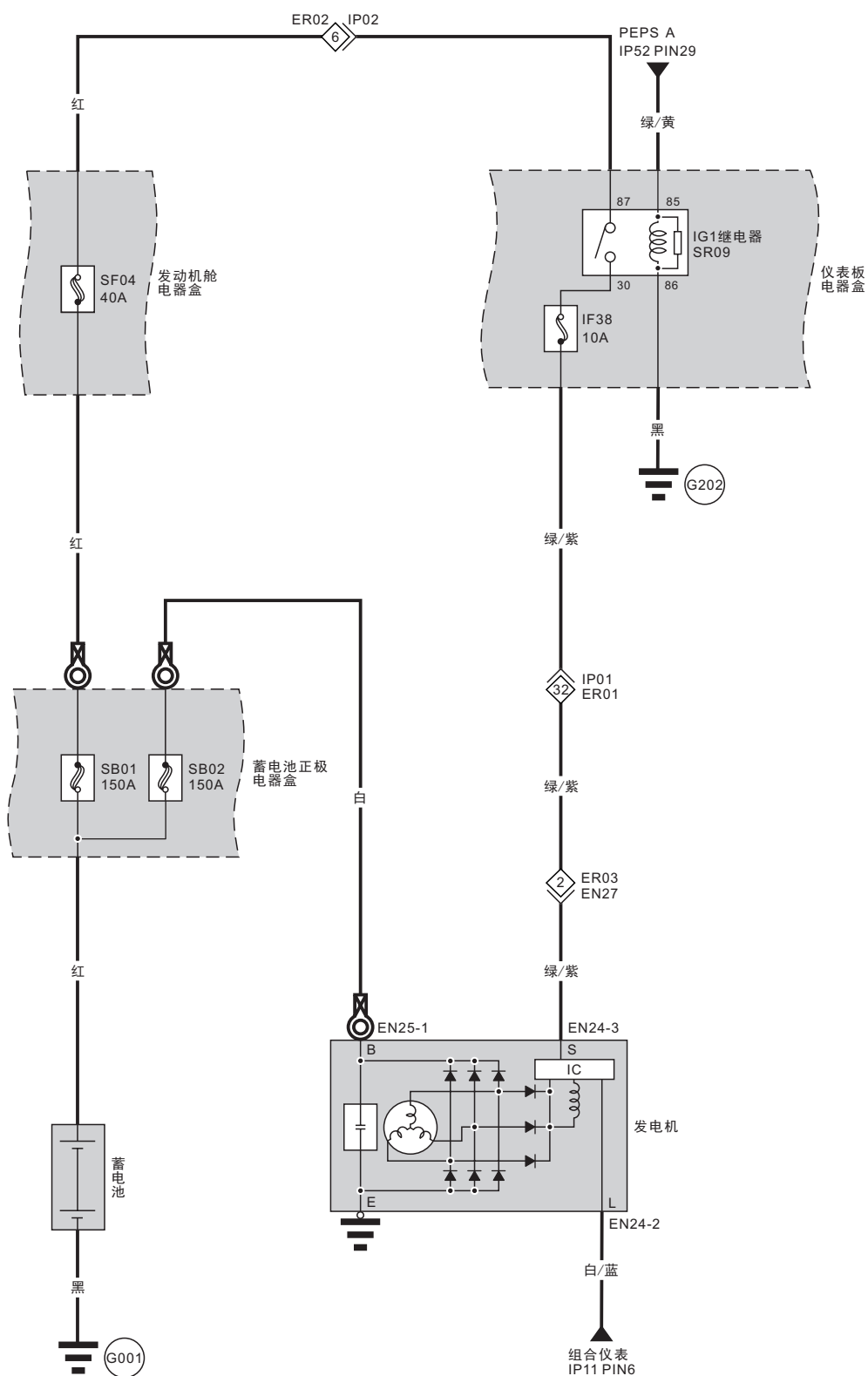
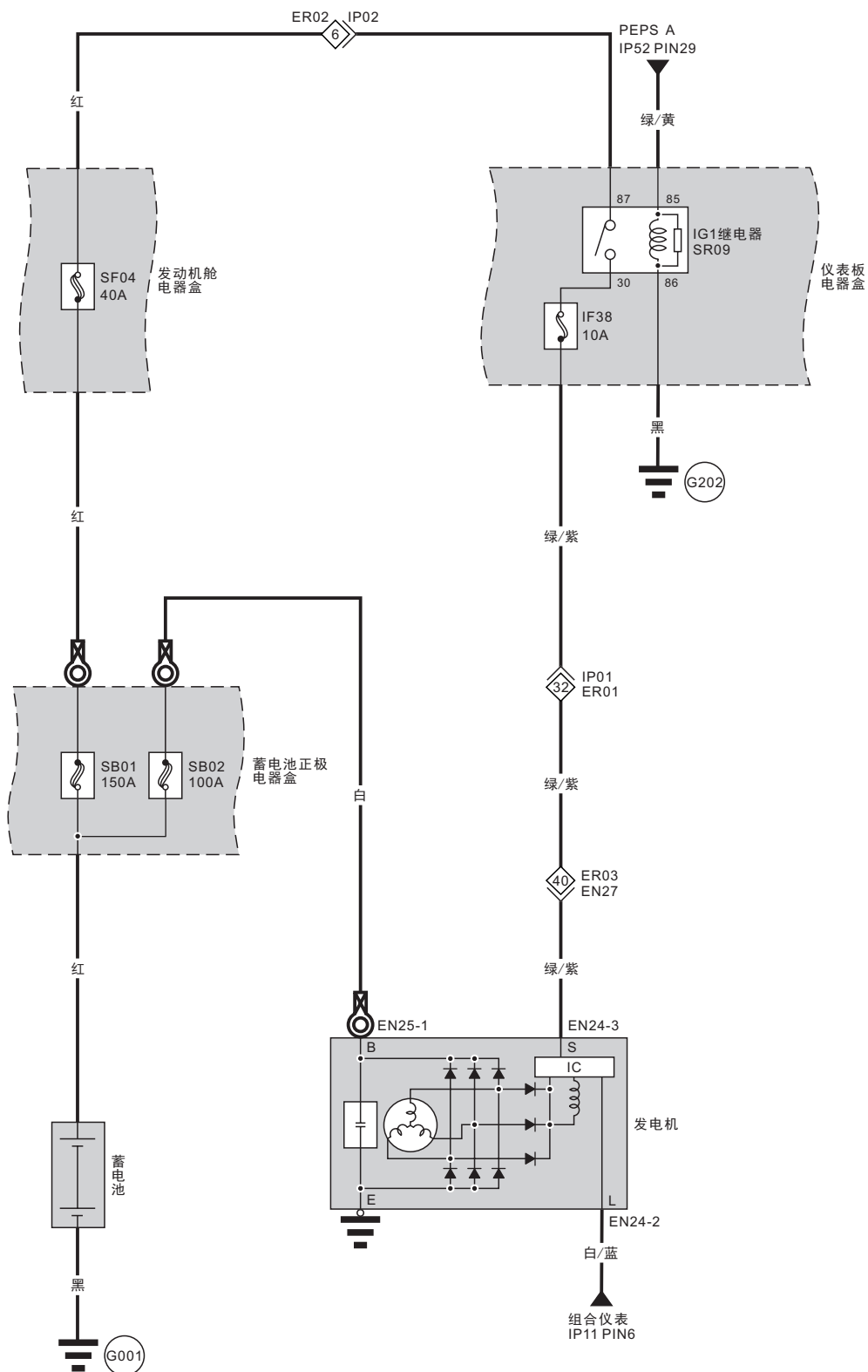


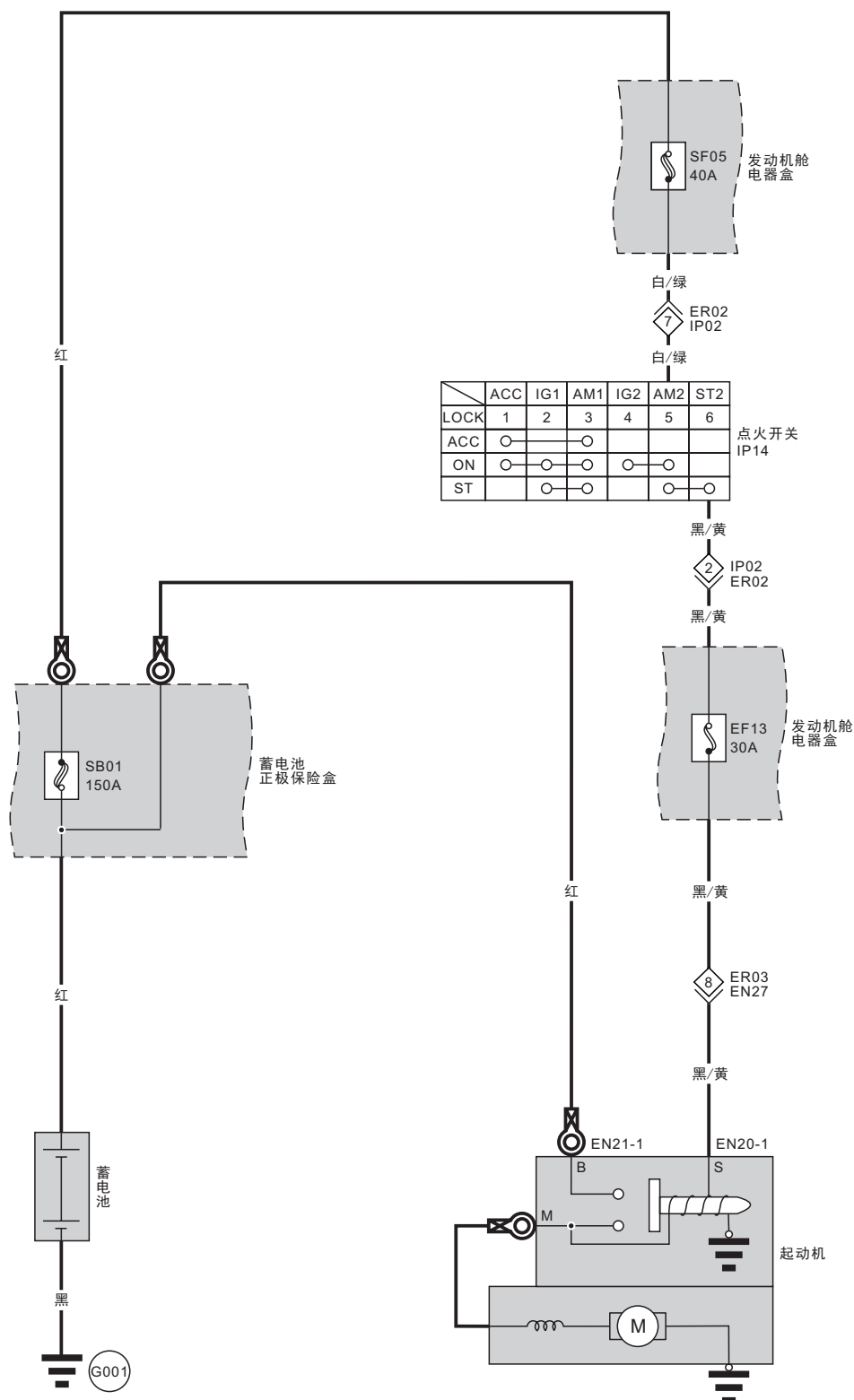
Figure 1: Main wiring diagram of the power system. The diagram illustrates the electrical connections between the battery, generator, and various control components. Key components include:

- Battery (蓄电池):** Connected to ground (G001) via a black line. The positive terminal (蓄电池正极) is connected to fuses SB01 (150A) and SB02 (100A).
- Engine Compartment Fuse Box (发动机舱电器盒):** Contains fuses SF05 (40A) and SF04 (40A).
- Instrument Panel Fuse Box (仪表板电器盒):** Contains fuse IF38 (10A).
- Ignition Switch (点火开关 IP14):** Features positions LOCK, ACC, ON, and ST.
- Generator (发电机):** Includes terminals B, S, L, and E.
- Combination Meter (组合仪表 IP11 PIN6):** Connected to the system.
- Relays and Switches:** Labeled ER01, ER02, ER03, EN24-2, EN24-3, EN25-1, and EN27.
- Wiring Colors:** Red (红), White/Green (白/绿), Black/Blue (黑/蓝), and Green/Purple (绿/紫).

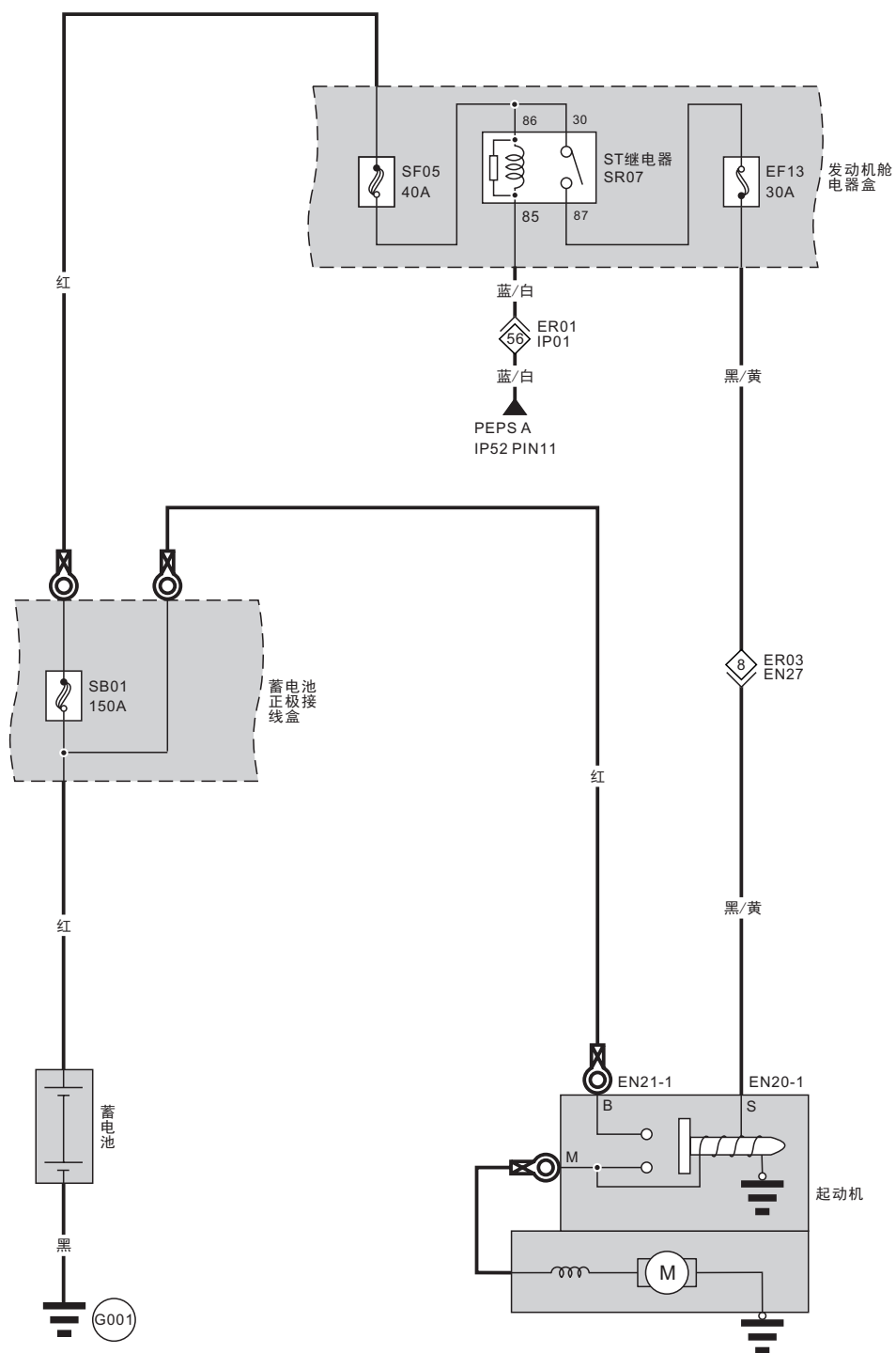
充电系统 (1.6L 一键启动车型)



起动系统 (1.5T 点火开关车型)

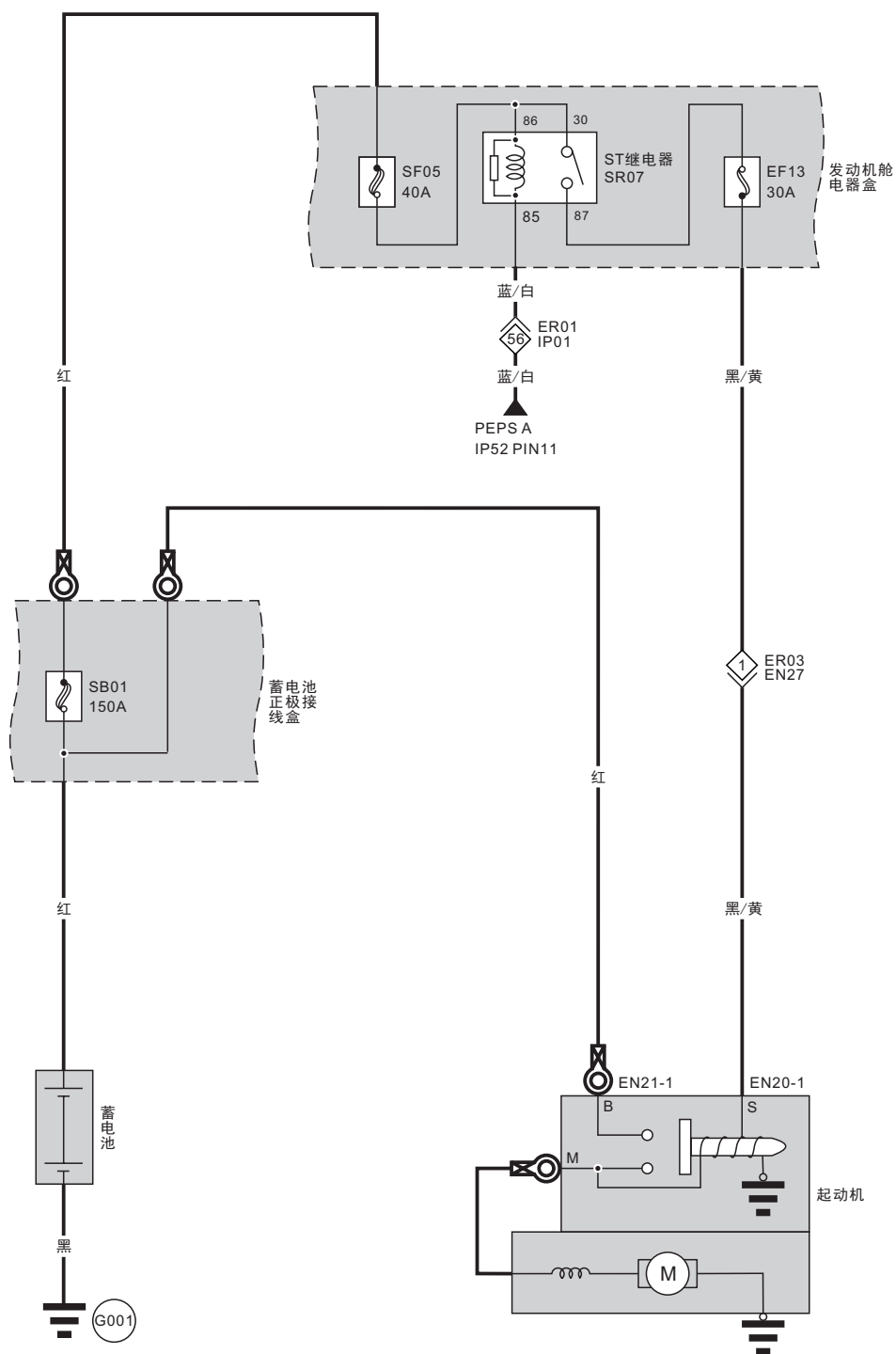


起动系统 (1.5T 一键启动车型)



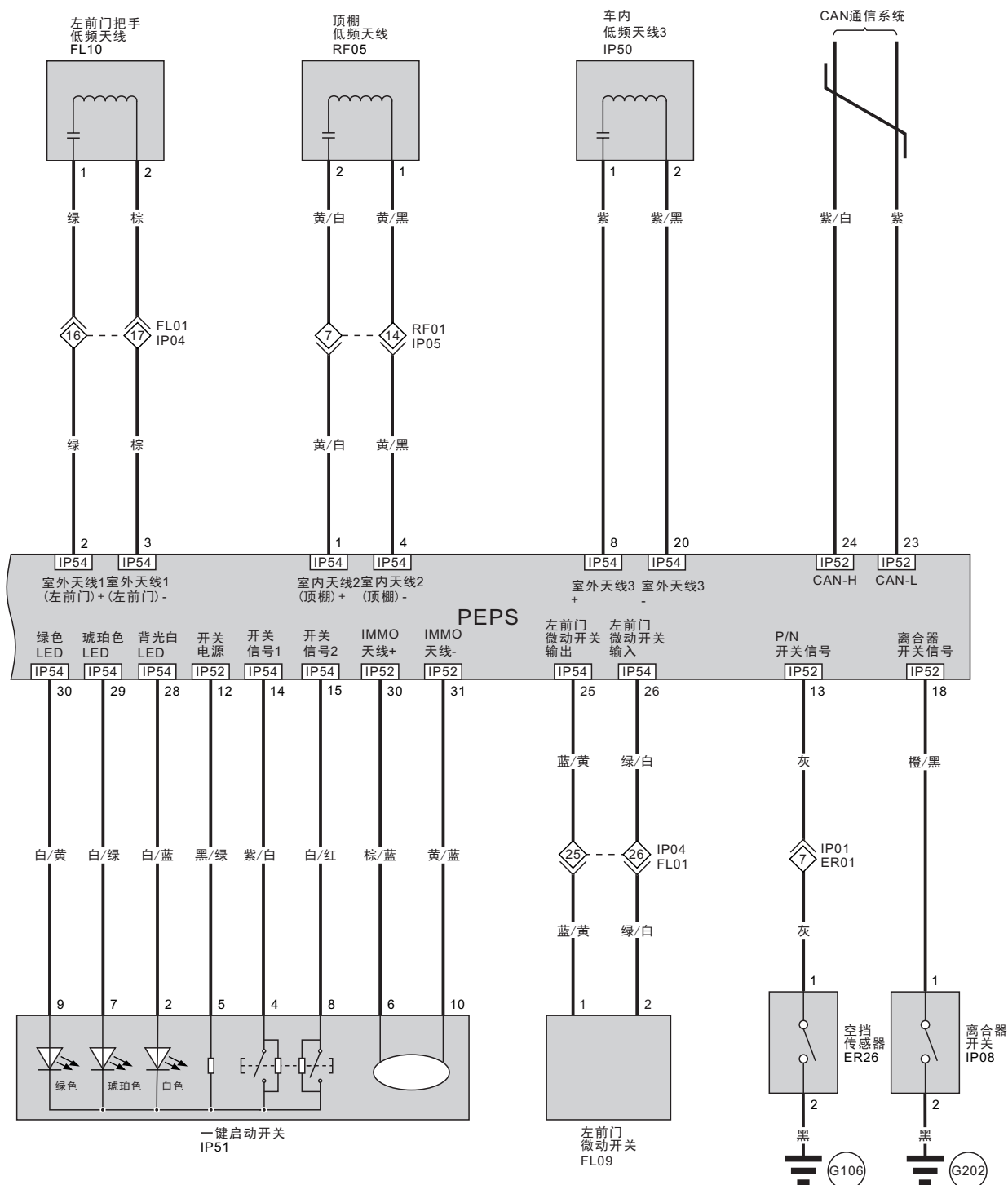
[illegible]

起动系统 (1.6L 一键启动车型)

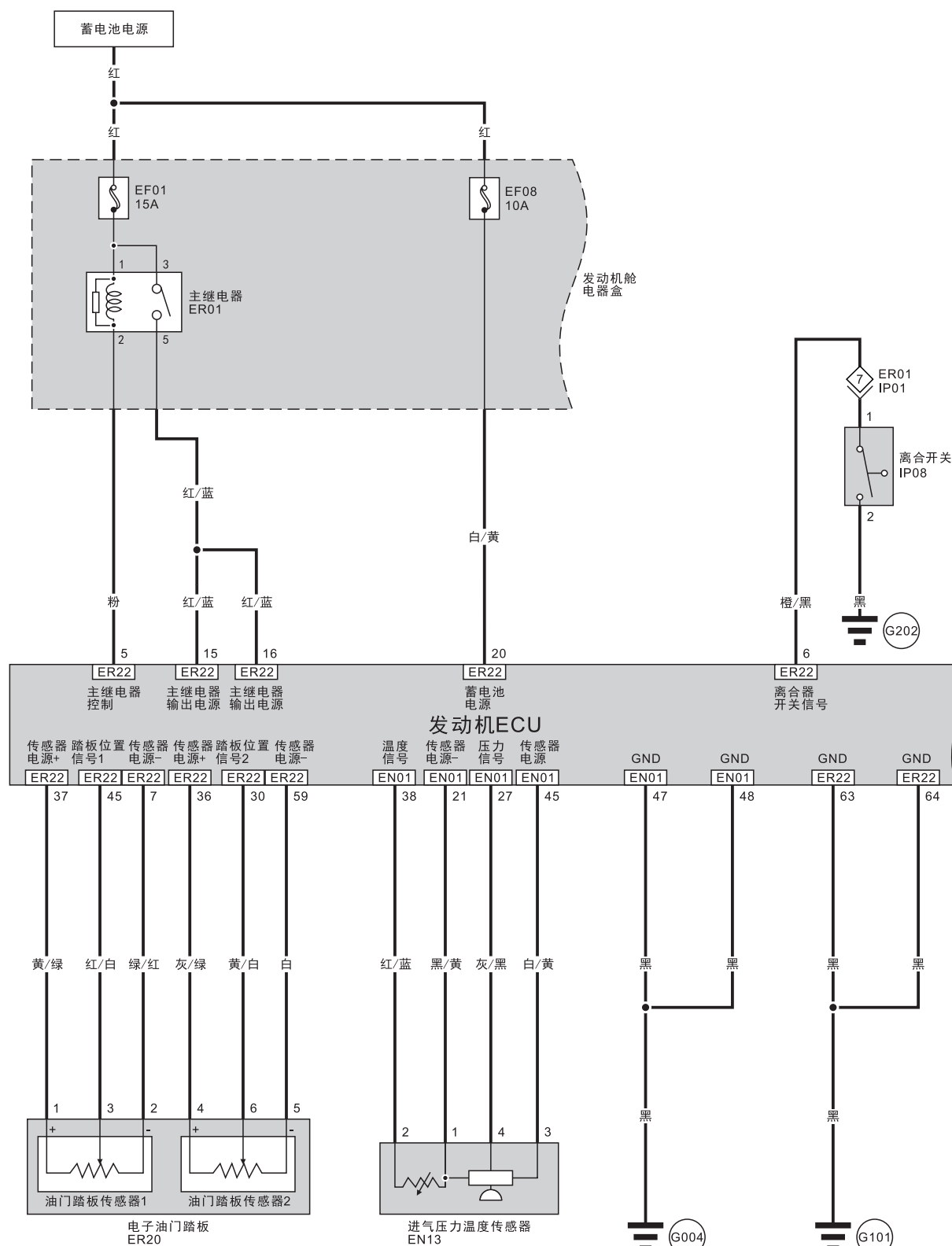


The diagram illustrates the electrical system for the ESCL (Electronic Steering Lock) system. It shows the connection between the battery, the engine compartment relay box, the instrument panel relay box, and the ESCL ECU. The system includes various relays (SF05, SF04, ST, ACC, IG1, IG2), fuses (EF13, IF29, IF30), and sensors (ER02, ER01, ER03). The ESCL ECU is connected to the battery, the engine compartment relay box, and the instrument panel relay box. The diagram also shows the starter motor and the ESCL ECU with its internal components like the LIN, LIN, and LIN.

电源管理与一键启动系统



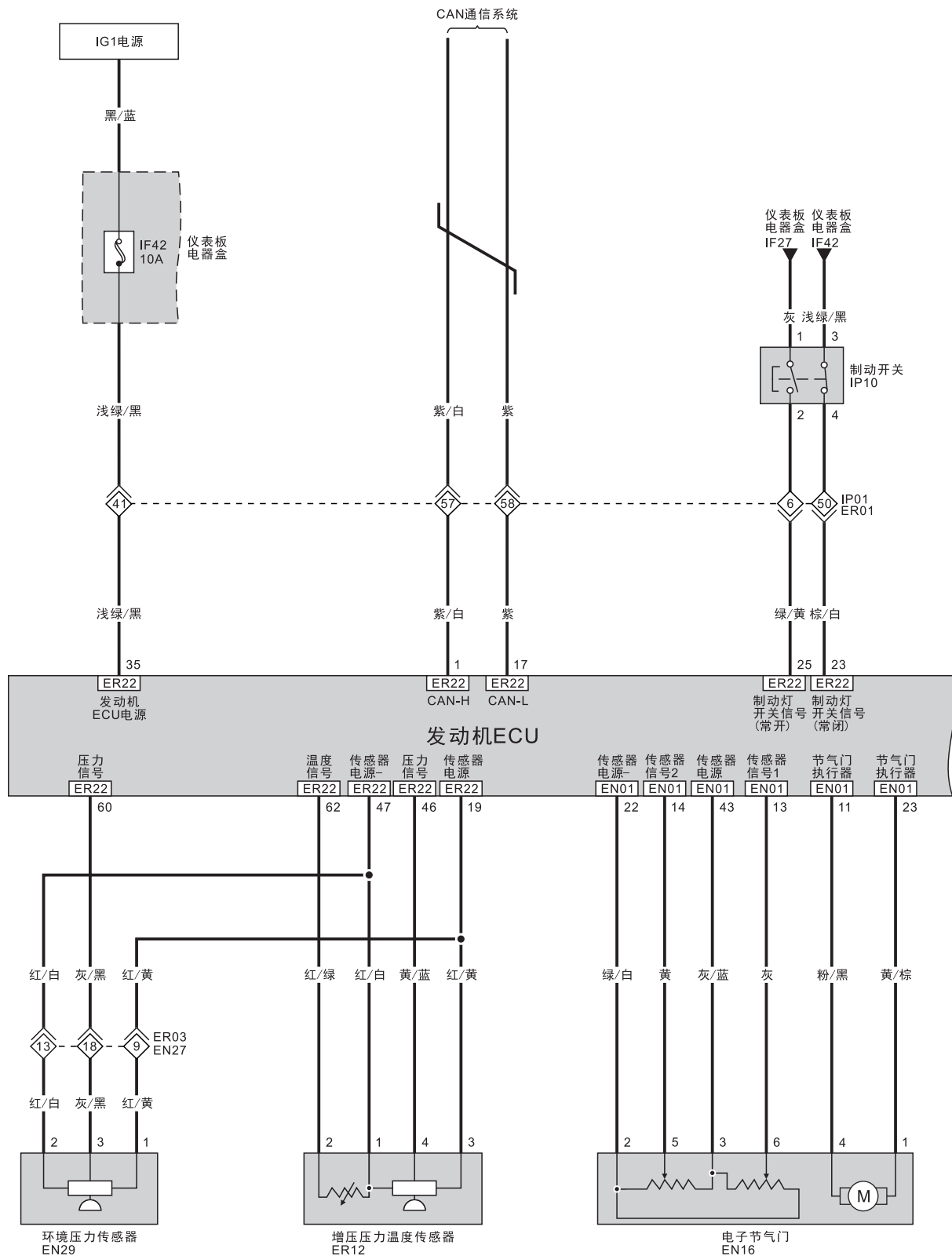
发动机电子控制系统 (1.5T 发动机车型)



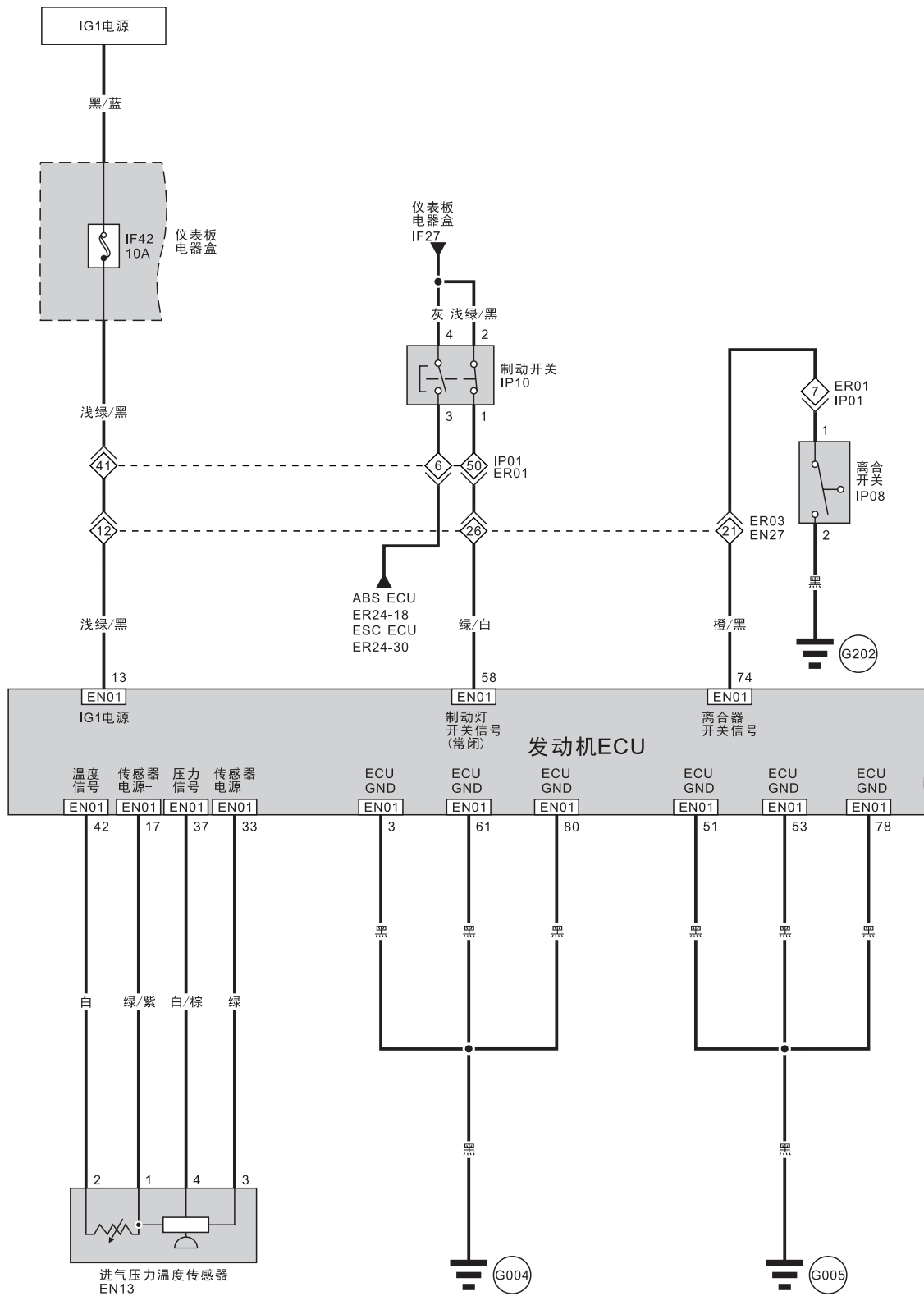
CI



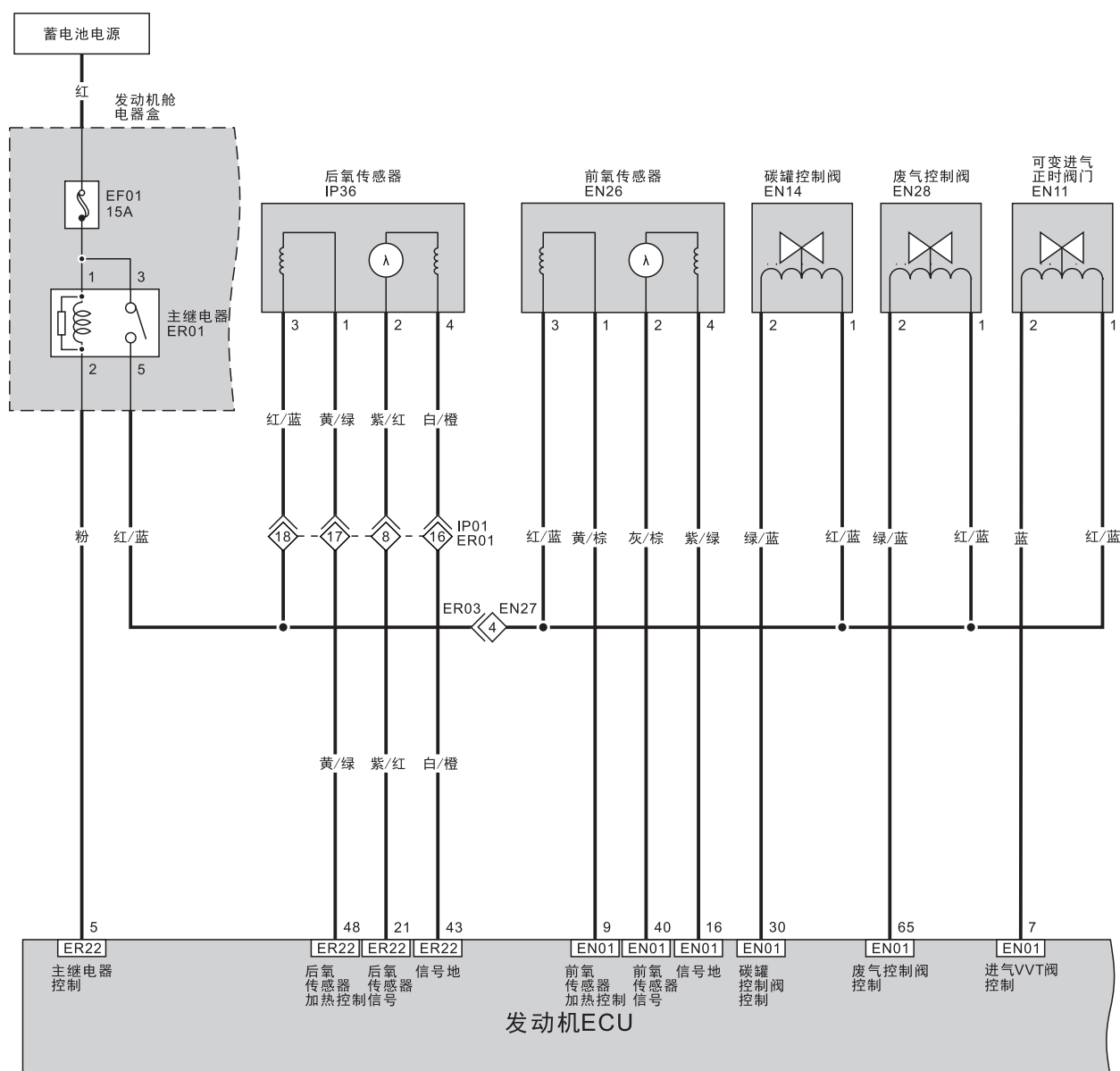
发动机电子控制系统 (1.5T 发动机车型)



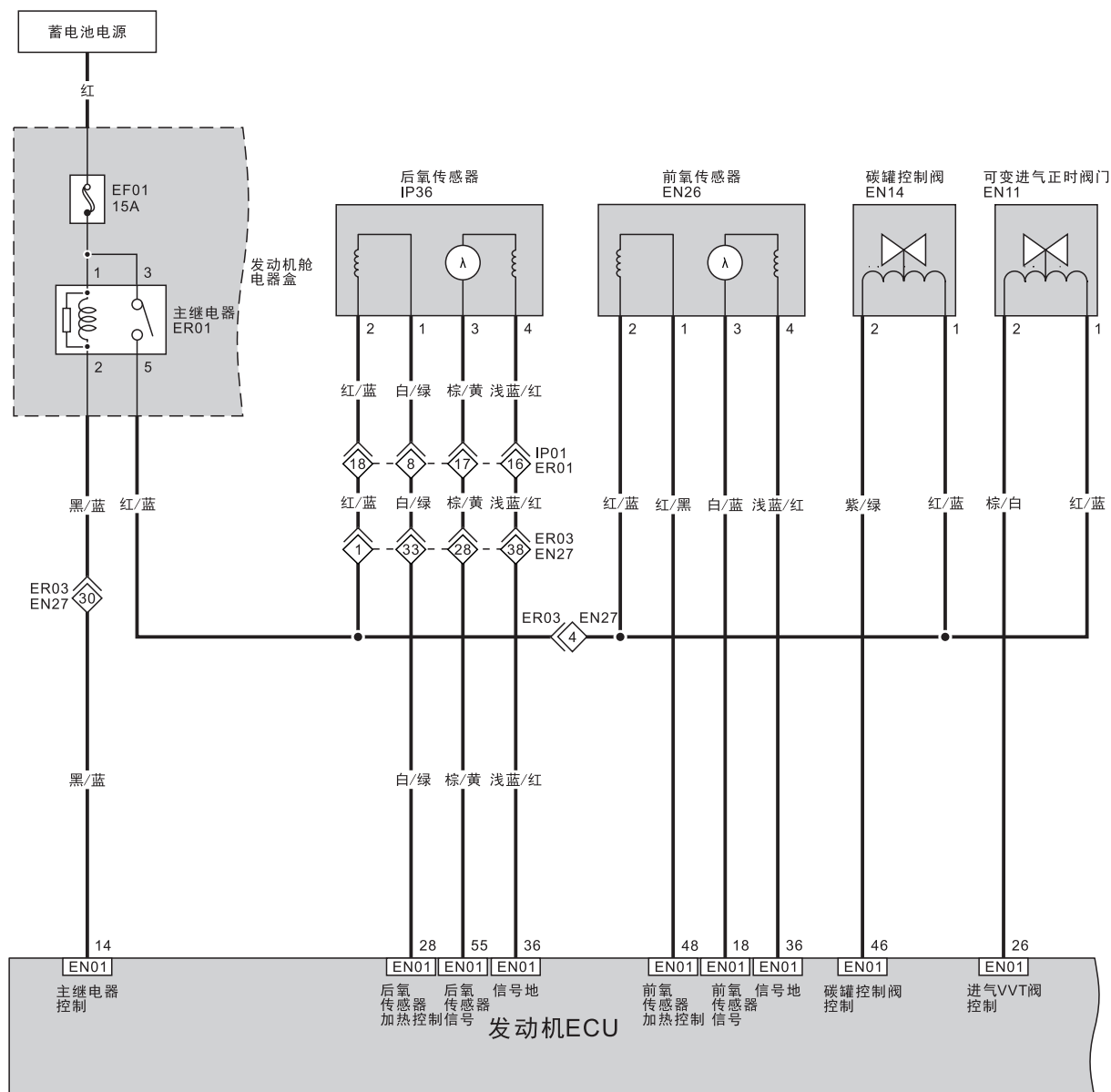
发动机电子控制系统 (1.6L 发动机车型)



进排气系统 (1.5T 发动机车型)

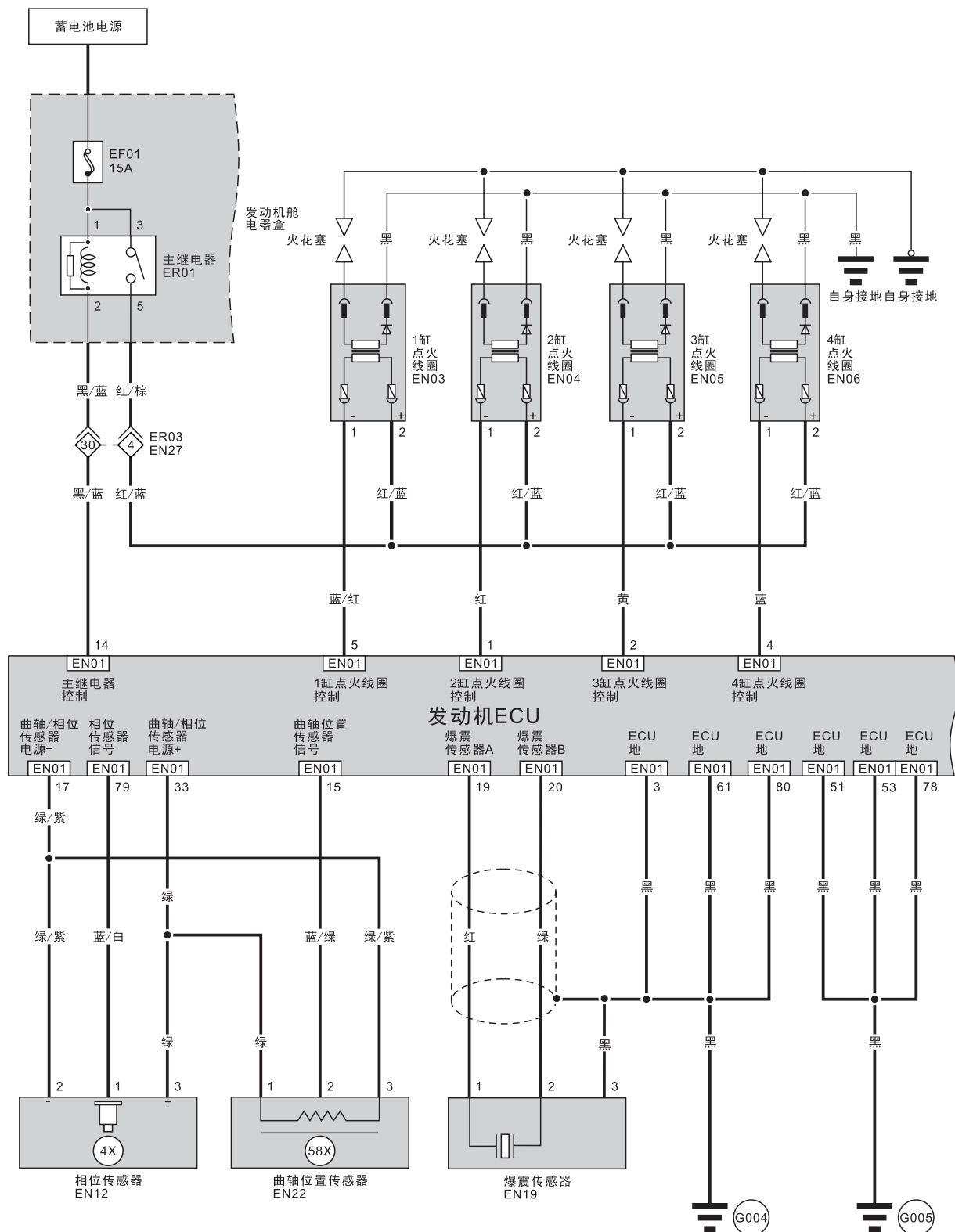


进排气系统 (1.6L 发动机车型)

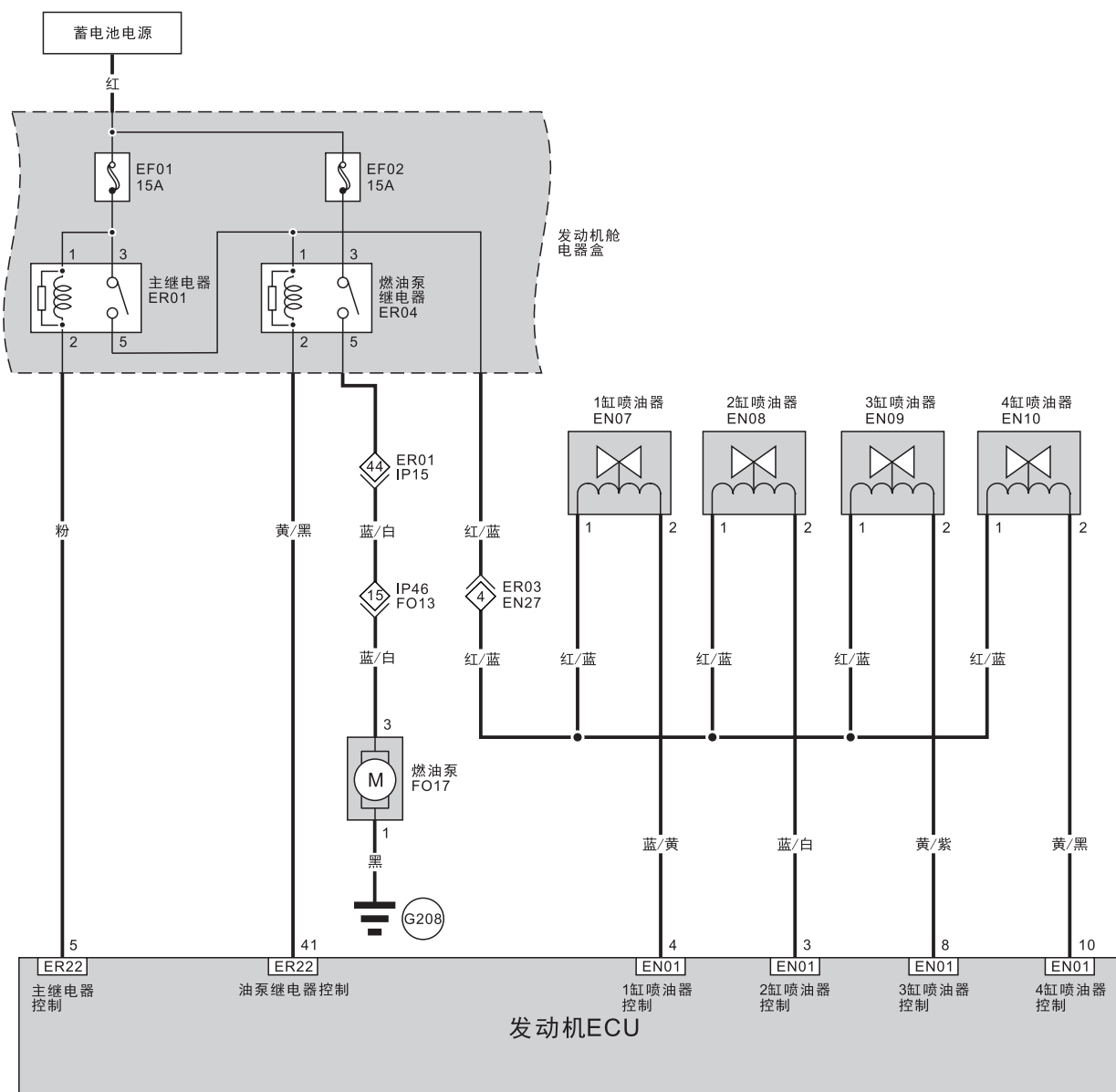


[illegible]

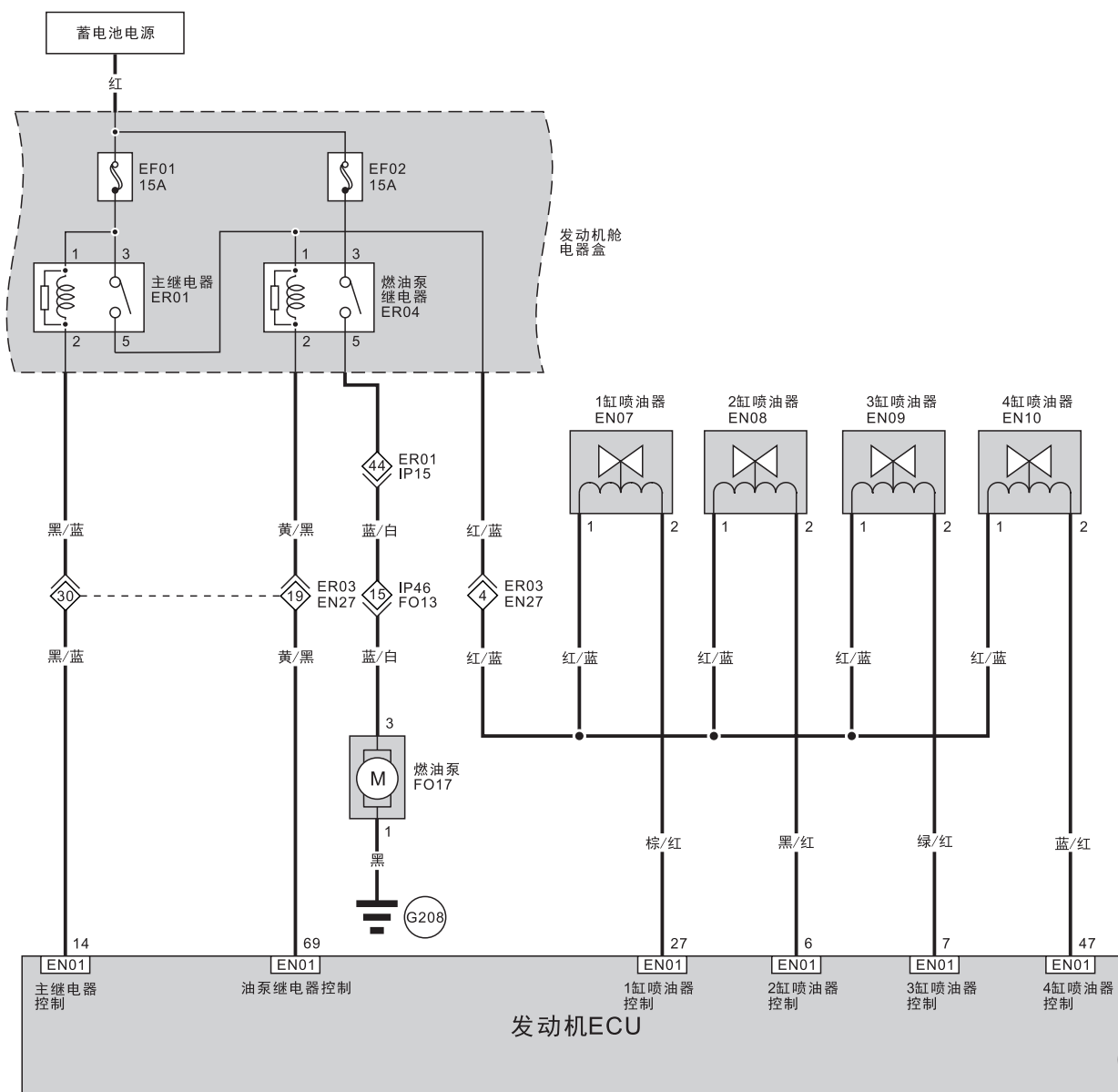
点火系统 (1.6L 发动机车型)



燃油系统 (1.5T 发动机车型)



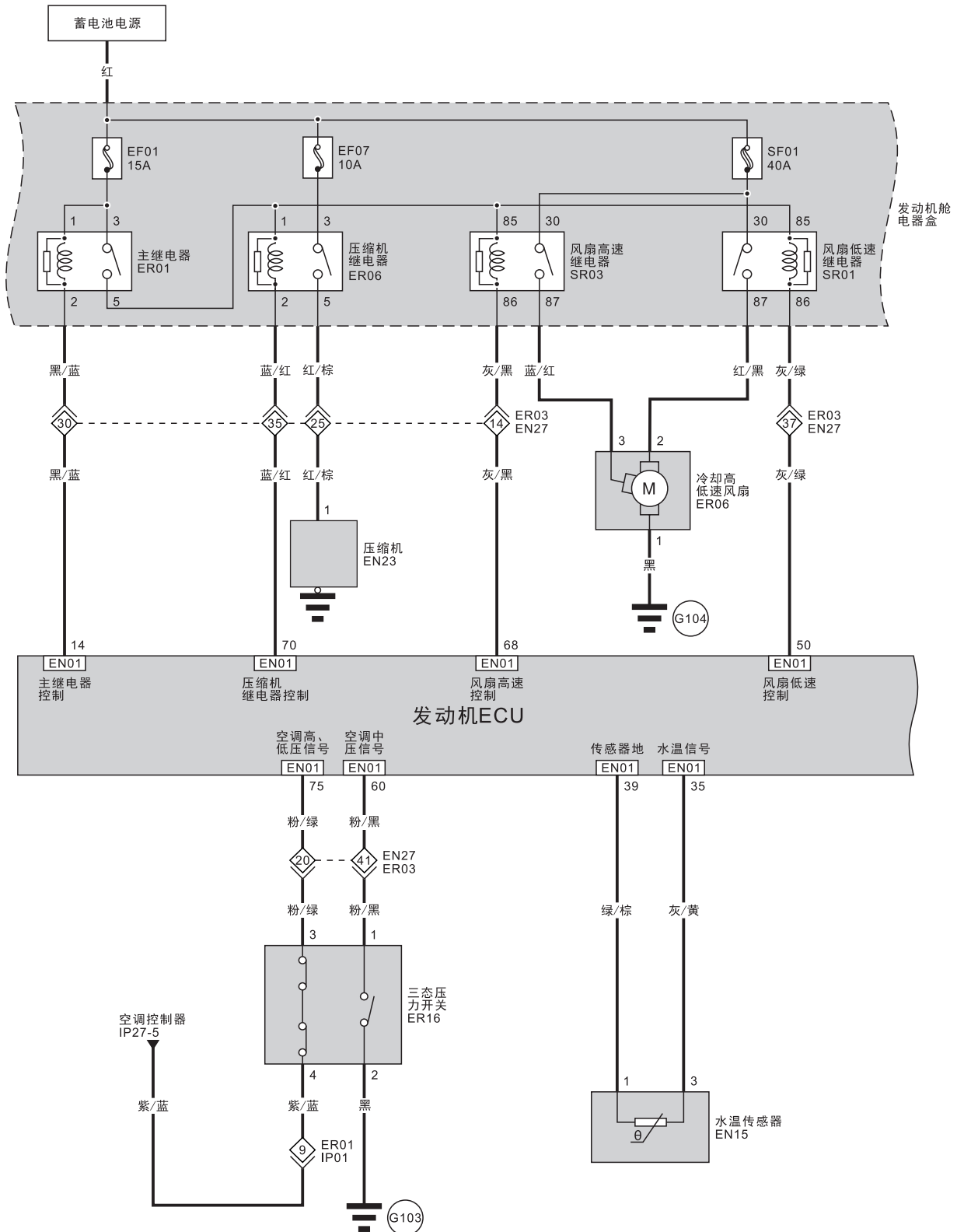
燃油系统 (1.6L 发动机车型)



The diagram illustrates the electrical system for the engine ECU (发动机ECU). It shows the following components and their connections:

- Power Source:** 蓄电池电源 (Battery Power) connected to the ECU via a red wire.
- Engine ECU (发动机ECU):** The central control unit with terminals for:
 - 主继电器控制 (Main Relay Control) - ER22
 - 压缩机继电器控制 (Compressor Relay Control) - ER22
 - 风扇高速控制 (Fan High Speed Control) - ER22
 - 风扇低速控制 (Fan Low Speed Control) - ER22
 - 空调高、低压信号 (AC High/Low Pressure Signal) - ER22
 - 空调中压信号 (AC Medium Pressure Signal) - ER22
 - 传感器地 (Sensor Ground) - EN01
 - 水温信号 (Water Temperature Signal) - EN01
- Relays and Actuators:**
 - 主继电器 (Main Relay) ER01:** 15A, controlled by the ECU via a pink wire (5).
 - 压缩机继电器 (Compressor Relay) ER06:** 10A, controlled by the ECU via a red/brown wire (1) and a black/blue wire (58).
 - 风扇高速继电器 (Fan High Speed Relay) SR03:** 30A, controlled by the ECU via a yellow wire (31).
 - 风扇低速继电器 (Fan Low Speed Relay) SR01:** 40A, controlled by the ECU via a red/black wire (86) and a white/red wire (56).
 - 冷却高低速风扇 (Cooling High/Low Speed Fan) ER06:** Controlled by the ECU via a blue/red wire (3) and a black wire (1).
- Sensors and Switches:**
 - 三态压力开关 (Three-Position Pressure Switch) ER16:** IP27, controlled by the ECU via a pink/green wire (3) and a pink/black wire (1).
 - 水温传感器 (Water Temperature Sensor) EN15:** Controlled by the ECU via a black/yellow wire (1) and an orange/red wire (3).
 - 空调控制 (AC Control) IP27:** PIN5, controlled by the ECU via a purple/blue wire (9).
- Grounding:** The system is grounded to G103.

冷却系统 (1.6L 发动机车型)



The diagram illustrates the electrical system for the engine compartment and instrument panel, connected to an electric air conditioning controller.

Engine Compartment Electrical Box (发动机舱电器盒):

- Relays:** EF09 (10A), SF12 (25A), and SR02 (Blower Motor Relay).
- Fuses:** ER01 (IP01) and ER02 (IP02).
- Wiring:** Includes connections for the blower motor (前鼓风机 IP38) and the fan motor (前调速模块 IP39).

Instrument Panel Electrical Box (仪表板电器盒):

- Relay:** IF43 (10A).
- Wiring:** Includes connections for the BCM B (IP44 PIN20), BCM A (IP43 PIN8), and the instrument panel relay (IR11 PIN5).

Electric Air Conditioning Controller (电动空调控制器):

- Inputs:**
 - 蒸发器温度信号 (Evaporator Temperature Signal) via IP27 (4).
 - 应急灯信号输出 (Emergency Light Signal Output) via IP27 (13).
 - 空调AC开关信号 (AC Switch Signal) via IP27 (5).
 - 外循环+ (External Recirculation+) via IP26 (5).
 - 内循环+ (Internal Recirculation+) via IP26 (6).
 - 吹面模式 (Blow Mode) via IP26 (2).
 - 反馈信号 (Feedback Signal) via IP27 (2).
 - 5V (5V) via IP26 (7).
 - 除霜模式 (Defrost Mode) via IP26 (1).
 - 制冷模式 (Cooling Mode) via IP26 (3).
 - 反馈信号 (Feedback Signal) via IP27 (3).
 - 制热模式 (Heating Mode) via IP26 (4).
 - GND (Ground) via IP26 (8).
 - GND (Ground) via IP27 (1).
- Outputs:**
 - BCMA (IP43 PIN5) via IP27 (13).
 - 三态压力开关 (ER16 PIN4) via IP27 (5).
 - 内外循环风门电机 (IP42) via IP26 (5).
 - 模式风门电机 (IP36) via IP26 (2).
 - 冷暖风门电机 (IP37) via IP26 (3).

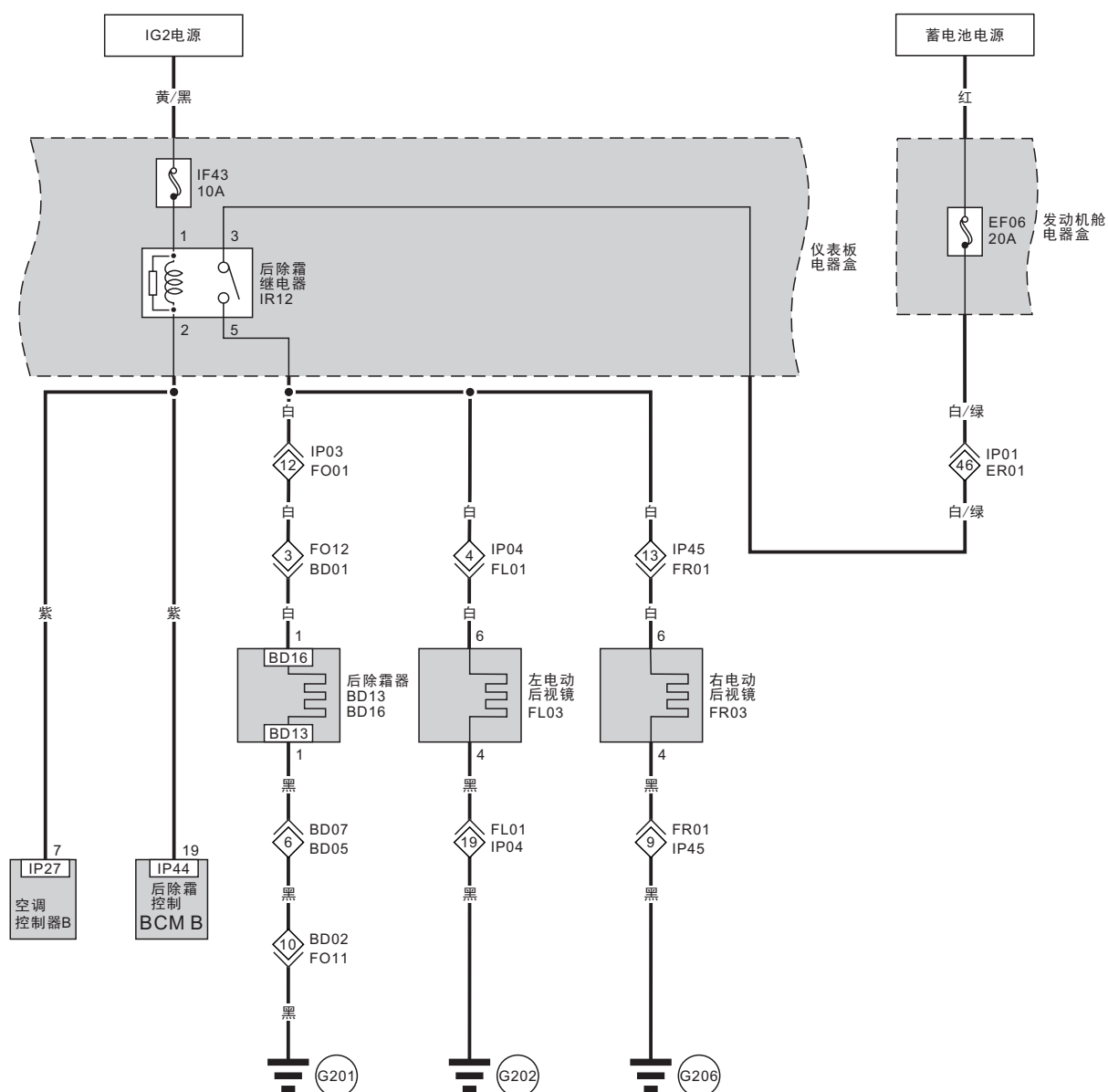
Other Components:

- IG2电源 (IG2 Power):** Connected to the instrument panel and the electric air conditioning controller.
- 蓄电池电源 (Battery Power):** Connected to the engine compartment electrical box and the electric air conditioning controller.
- 蒸发器温度传感器 (IP28):** Connected to the evaporator temperature signal input.
- 前鼓风机 (IP38):** Connected to the blower motor output.
- 前调速模块 (IP39):** Connected to the fan motor output.
- 模式风门电机 (IP36):** Connected to the mode flap motor output.
- 冷暖风门电机 (IP37):** Connected to the cold/hot flap motor output.

The diagram illustrates the electrical connections for a vehicle's air conditioning system. It features a central '电动空调控制器' (Electric Air Conditioning Controller) with multiple input and output terminals. The connections are as follows:

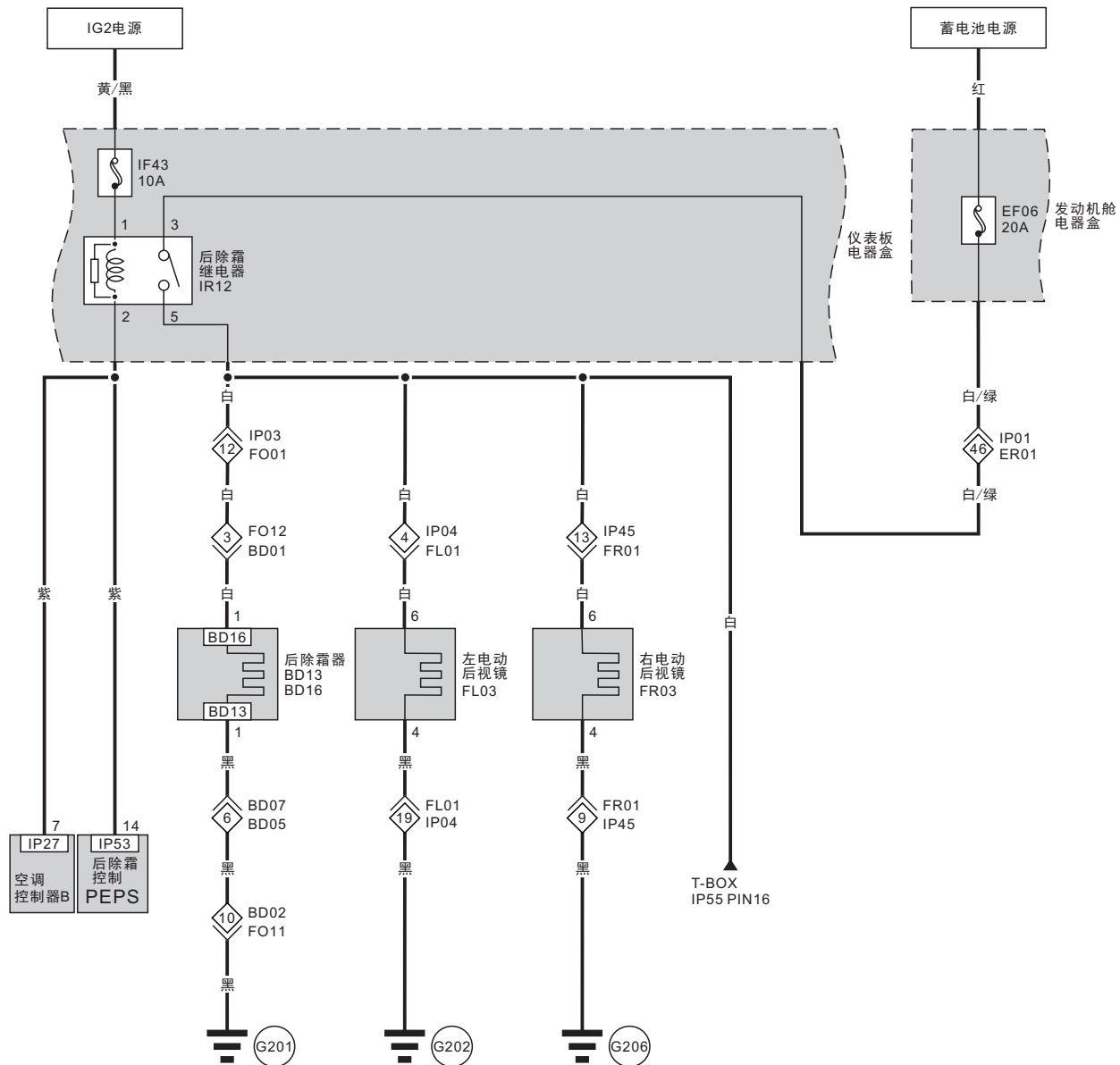
- Power Sources:**
 - 蓄电池电源 (Battery Power):** Provides power to the EF09 (10A) and SF12 (25A) fuses, and the IF43 (10A) fuse in the '仪表板电器盒' (Instrument Panel Electrical Box).
 - IG2电源:** Provides power to the IF43 (10A) fuse.
- Engine Compartment Electrical Box (发动机舱电器盒):**
 - Contains fuses EF09 (10A) and SF12 (25A).
 - Includes a relay (85, 86, 87) and a fan motor (鼓风机电机 SR02).
- Instrument Panel Electrical Box (仪表板电器盒):**
 - Contains fuse IF43 (10A).
- Central Controller (电动空调控制器):**
 - Inputs:**
 - IP26: 蓄电池电源 (Battery Power)
 - IP27: 蒸发器温度信号 (Evaporator Temperature Signal)
 - IP27: 应急灯信号输出 (Emergency Light Signal Output)
 - IP27: 空调AC开关信号 (AC Switch Signal)
 - IP26: 外循环+ (External Recirculation +)
 - IP26: 内循环+ (Internal Recirculation +)
 - IP26: 吹面模式 (Blow Mode)
 - IP27: 反馈信号 (Feedback Signal)
 - IP26: 5V (5V)
 - IP26: 除霜模式 (Defrost Mode)
 - IP26: 制冷模式 (Cooling Mode)
 - IP27: 反馈信号 (Feedback Signal)
 - IP26: 制热模式 (Heating Mode)
 - IP26: GND (Ground)
 - IP27: GND (Ground)
 - Outputs:**
 - IP27: 4: 粉/白 (Pink/White) - Evaporator Temperature Sensor (蒸发器温度传感器 IP28)
 - IP27: 13: 绿/蓝 (Green/Blue) - PEPSA IP52 PIN3
 - IP27: 5: 紫/蓝 (Purple/Blue) - Three-position Pressure Switch (三态压力开关 ER16 PIN4)
 - IP26: 5: 粉 (Pink) - External Recirculation Fan Motor (IP42)
 - IP26: 6: 橙 (Orange) - Internal Recirculation Fan Motor (IP42)
 - IP26: 2: 红 (Red) - Mode Fan Motor (IP36)
 - IP26: 7: 黑 (Black) - Mode Fan Motor (IP36)
 - IP26: 1: 绿 (Green) - Mode Fan Motor (IP36)
 - IP26: 2: 白/橙 (White/Orange) - Mode Fan Motor (IP36)
 - IP26: 7: 黄 (Yellow) - Mode Fan Motor (IP36)
 - IP26: 1: 白 (White) - Cooling Fan Motor (IP37)
 - IP27: 3: 蓝 (Blue) - Cooling Fan Motor (IP37)
 - IP26: 3: 黑 (Black) - Cooling Fan Motor (IP37)
 - IP26: 4: 蓝/黑 (Blue/Black) - Heating Fan Motor (IP37)
 - IP26: 4: 白/橙 (White/Orange) - Heating Fan Motor (IP37)
 - IP26: 5: 黑 (Black) - Heating Fan Motor (IP37)
 - IP26: 8: 黑 (Black) - Ground
 - IP27: 1: 黑 (Black) - Ground
- Other Components:**
 - 前鼓风机电机 IP38:** Connected to the controller via IP26 (10) and IP26 (9).
 - 前调速模块 IP39:** Connected to the controller via IP26 (10) and IP26 (9).
 - 背光灯 (Backlight):** Connected to the controller via IP27 (12).

后除霜系统 (点火开关车型)

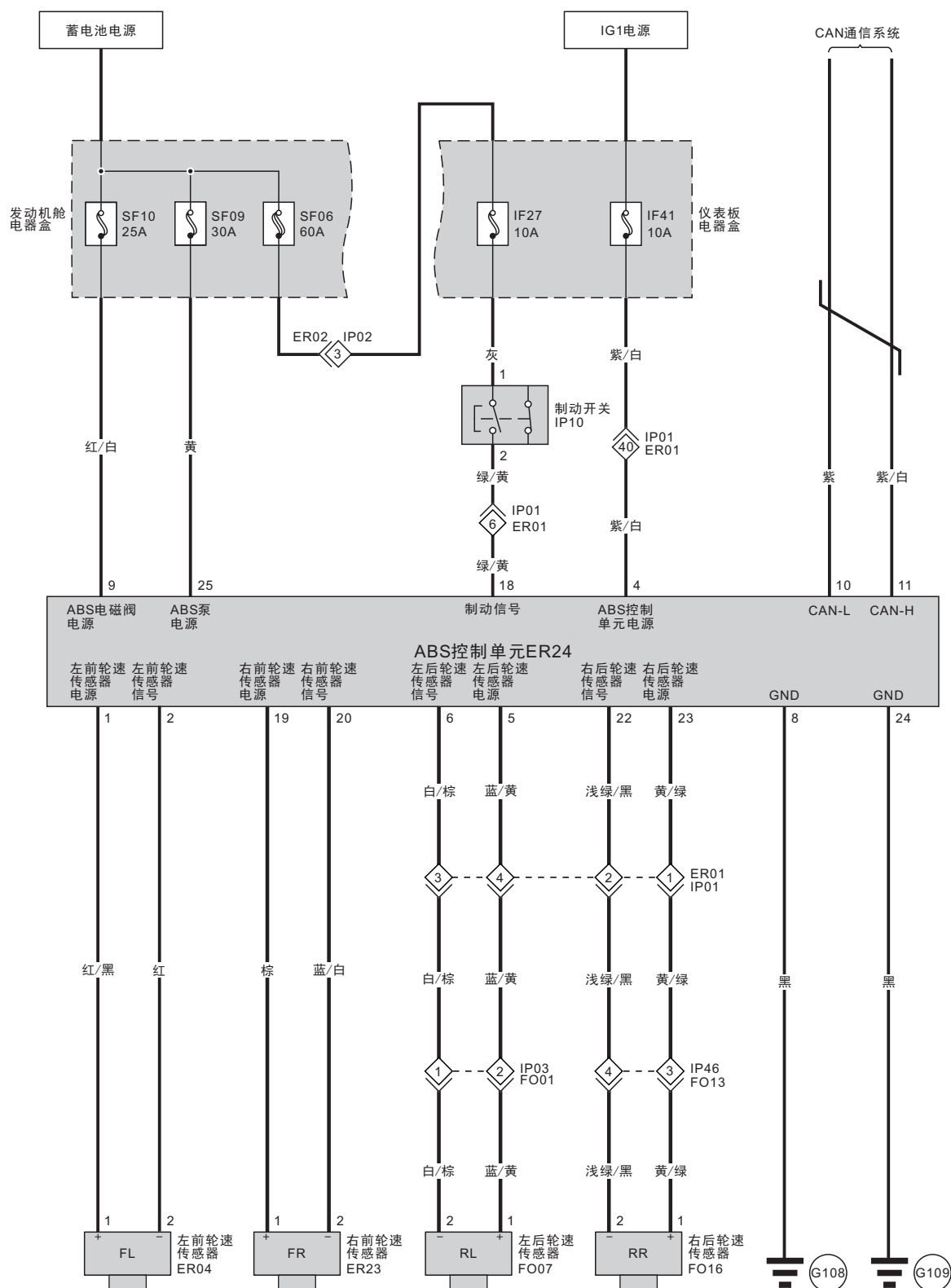




后除霜系统 (PEPS 车型)

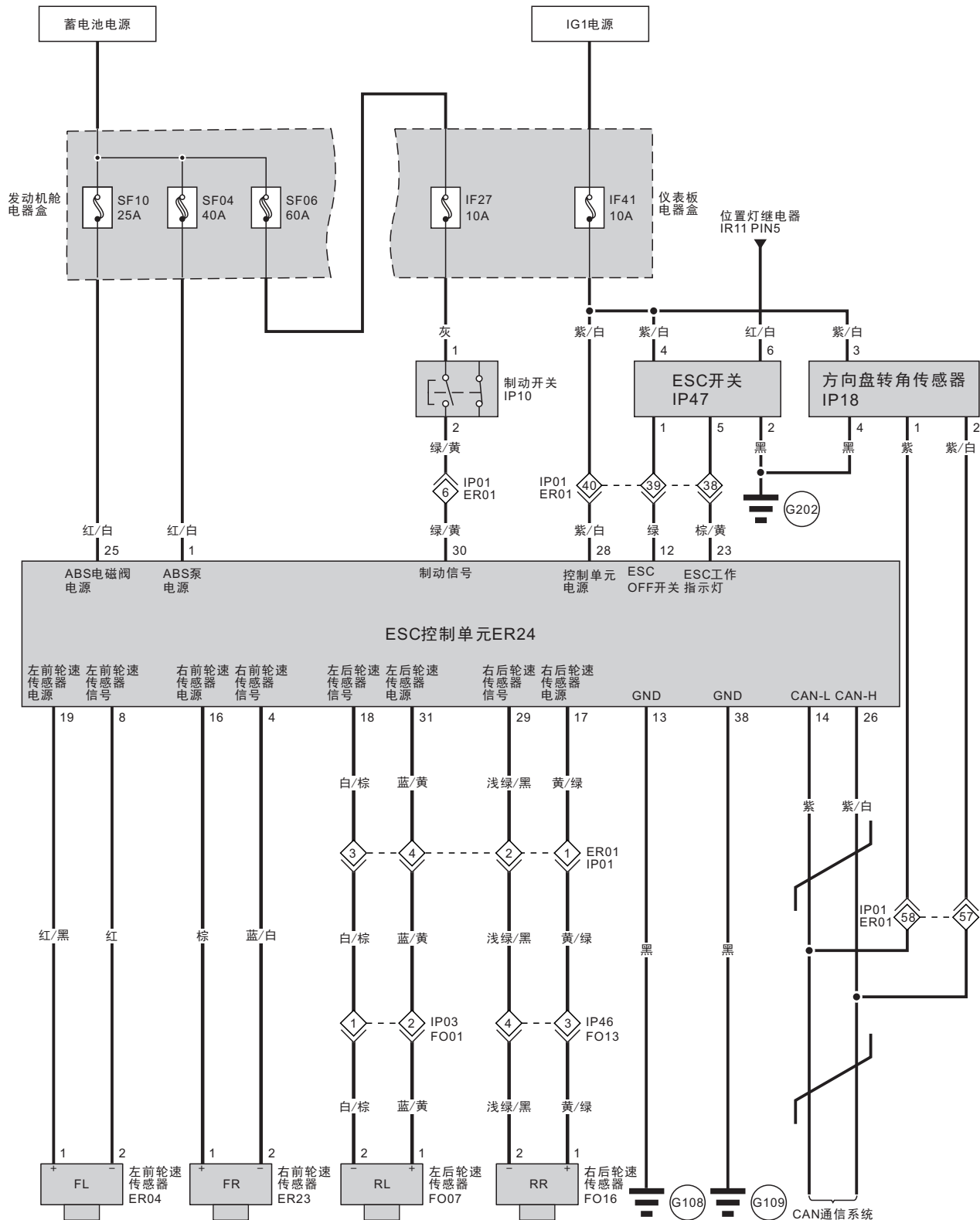


制动控制系统 (ABS 配置)

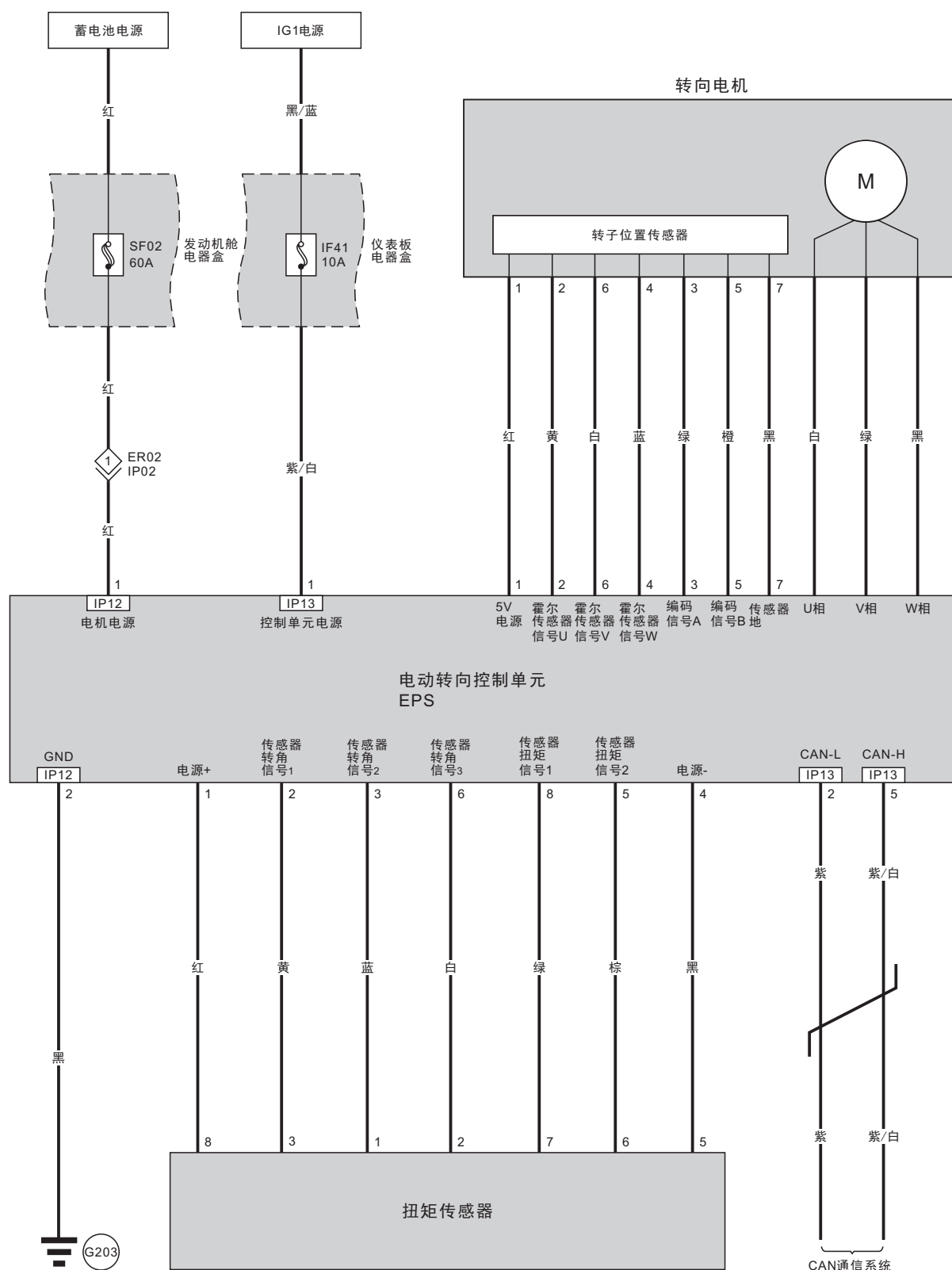


CI

制动控制系统 (ESC 配置)

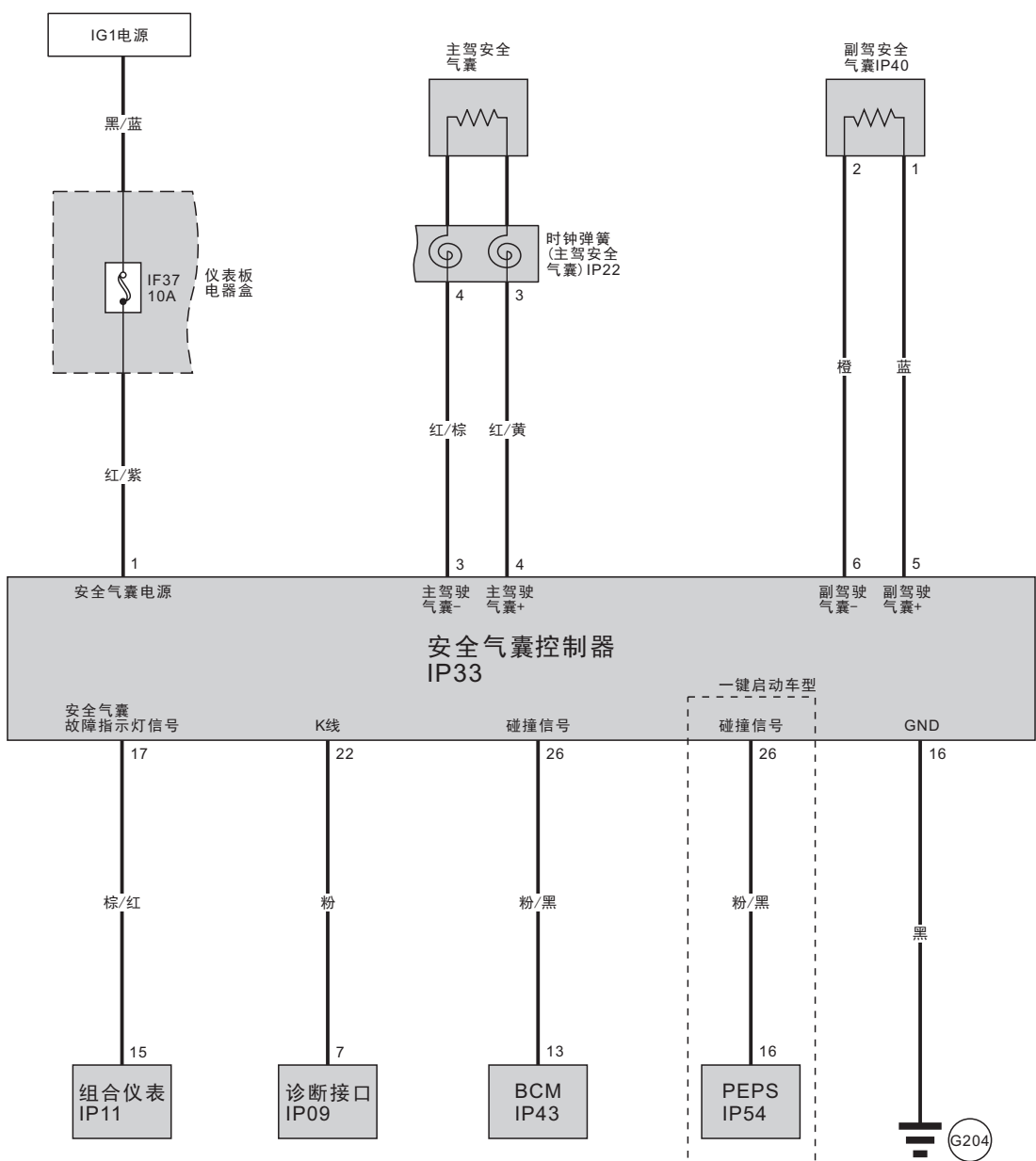


EPS 系统

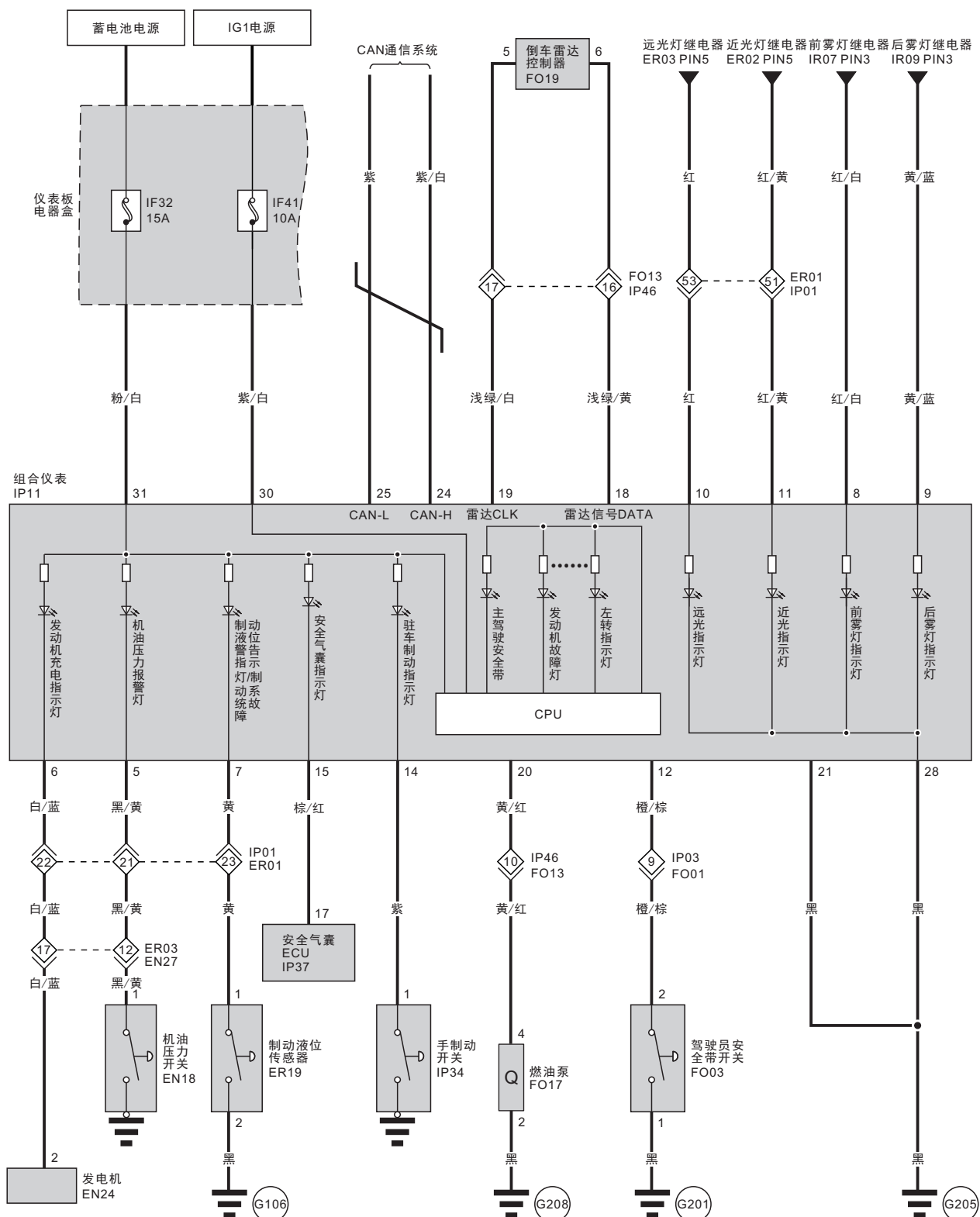


CI

安全气囊系统

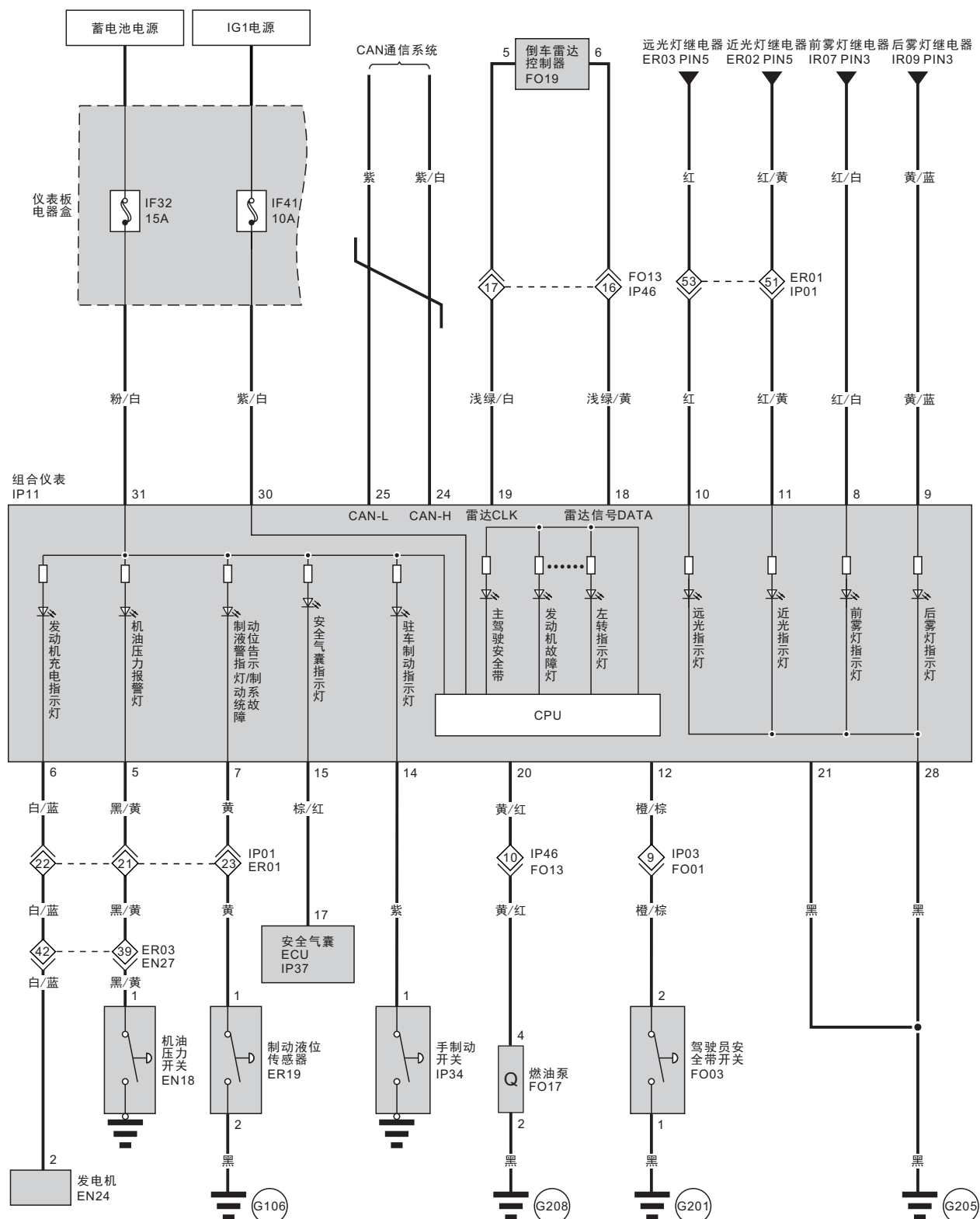


组合仪表 (1.5T 车型)

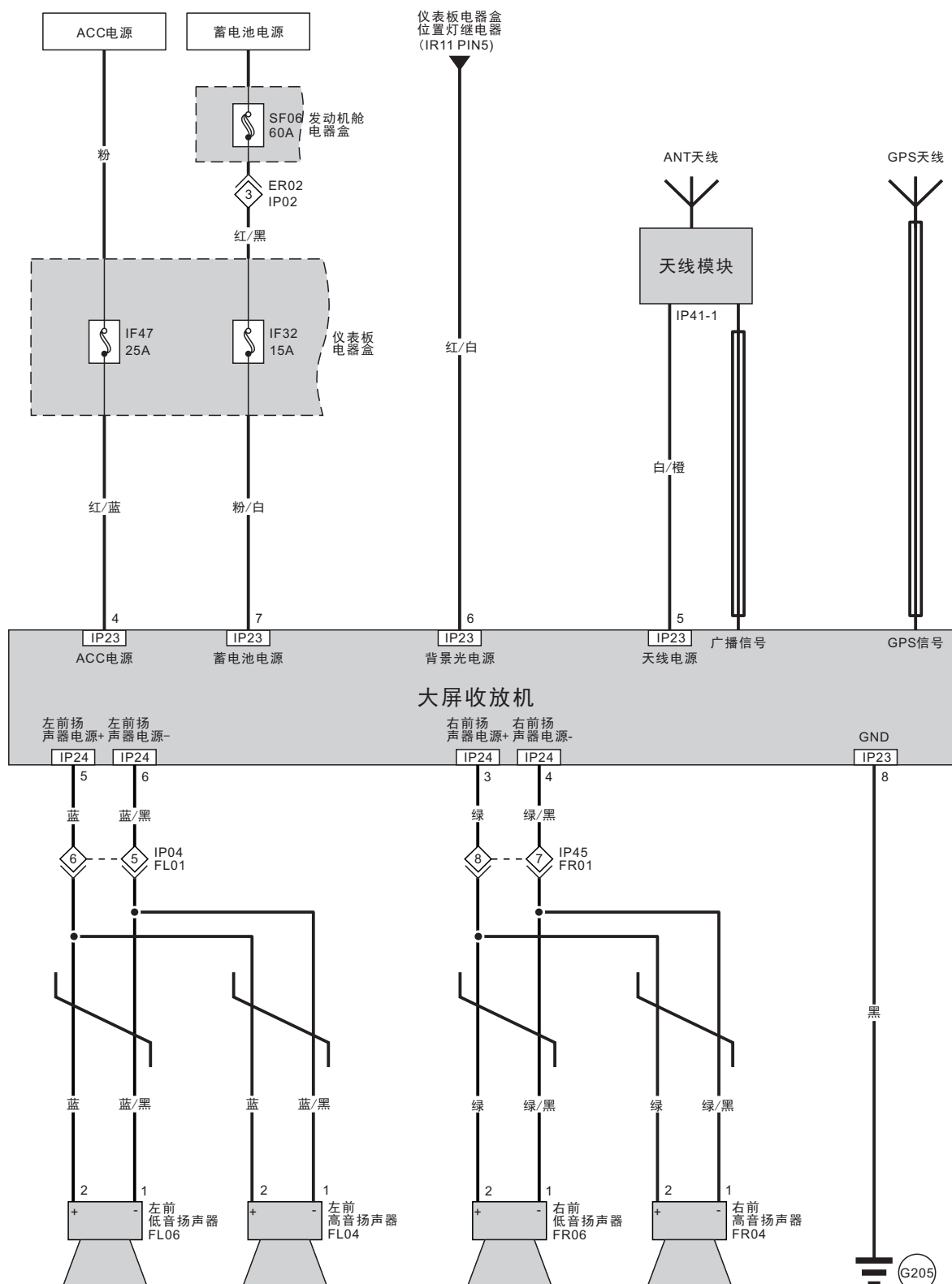


CI

组合仪表 (1.6L 车型)

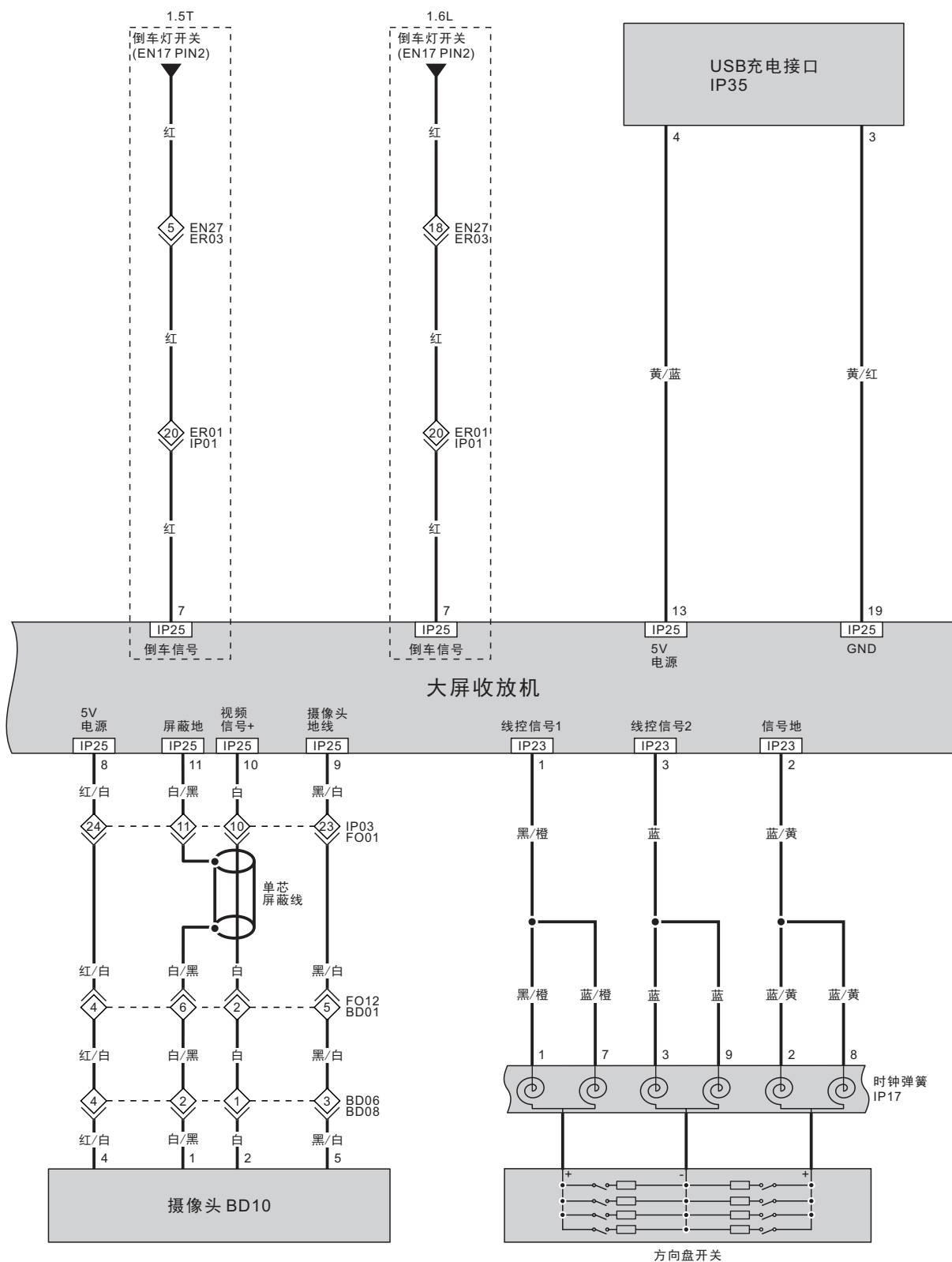


音响系统

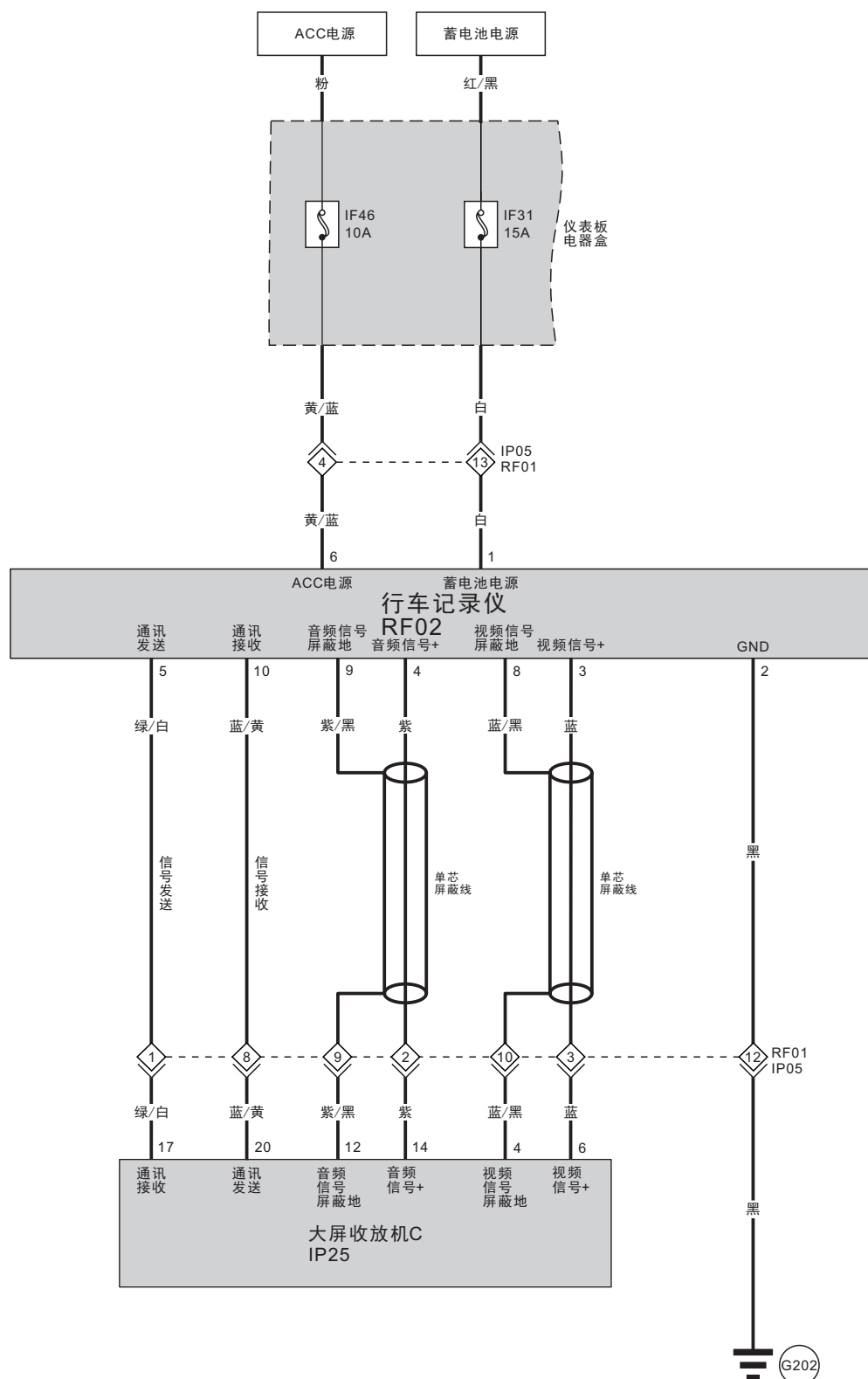


CI

音响系统

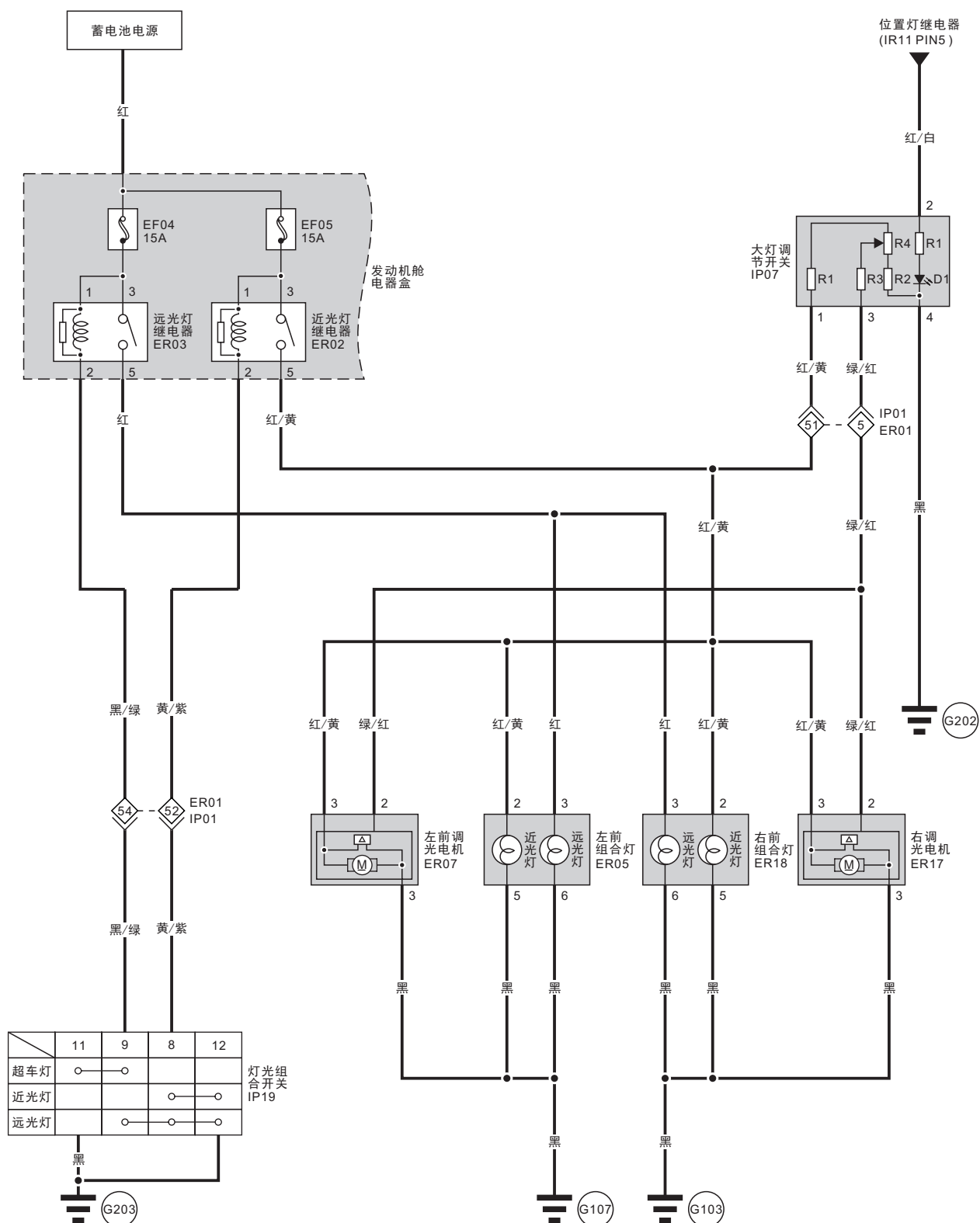


行车记录仪系统

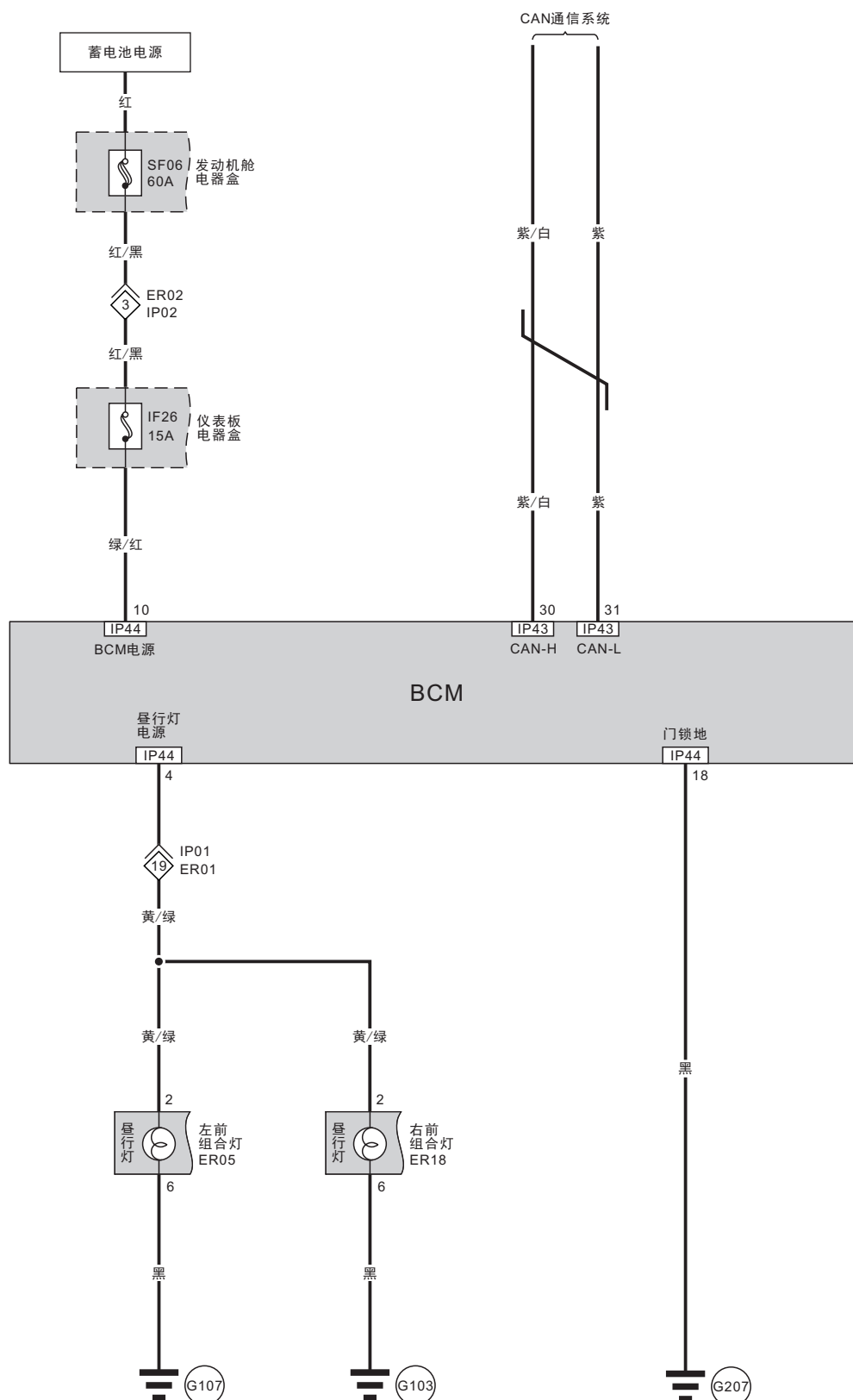


CI

前大灯系统



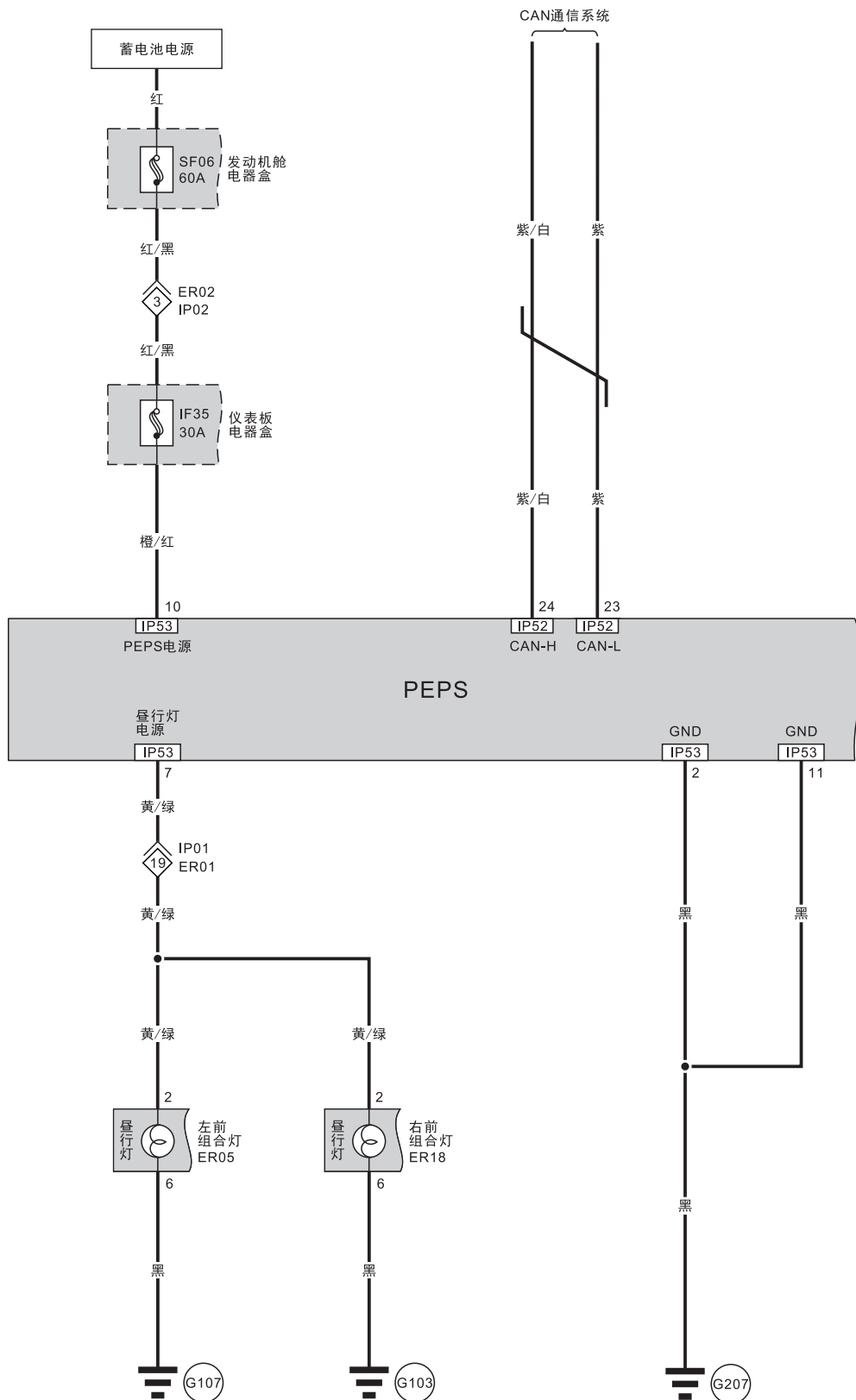
昼行灯系统 (点火开关车型)



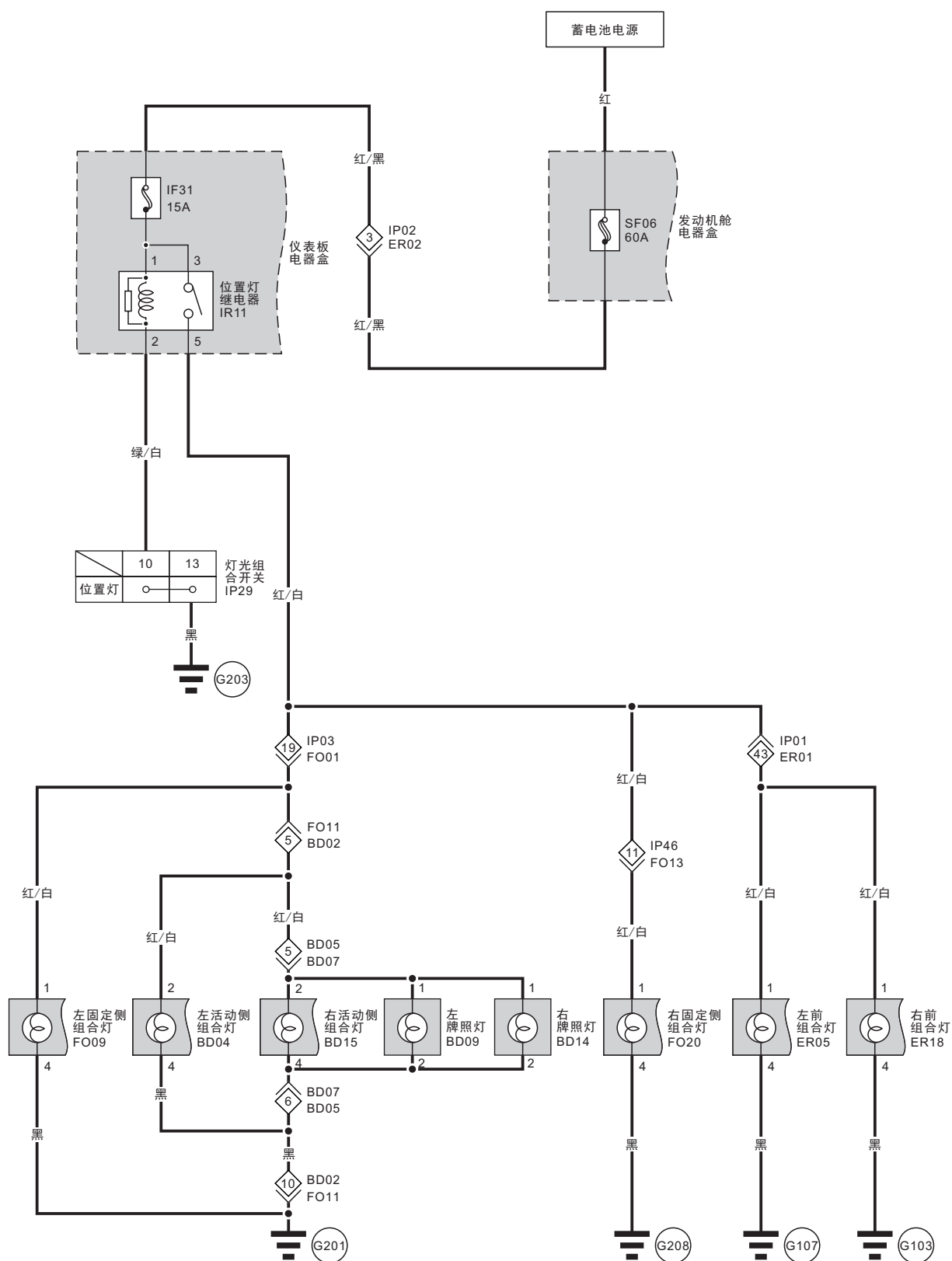
CI



昼行灯系统 (PEPS 车型)

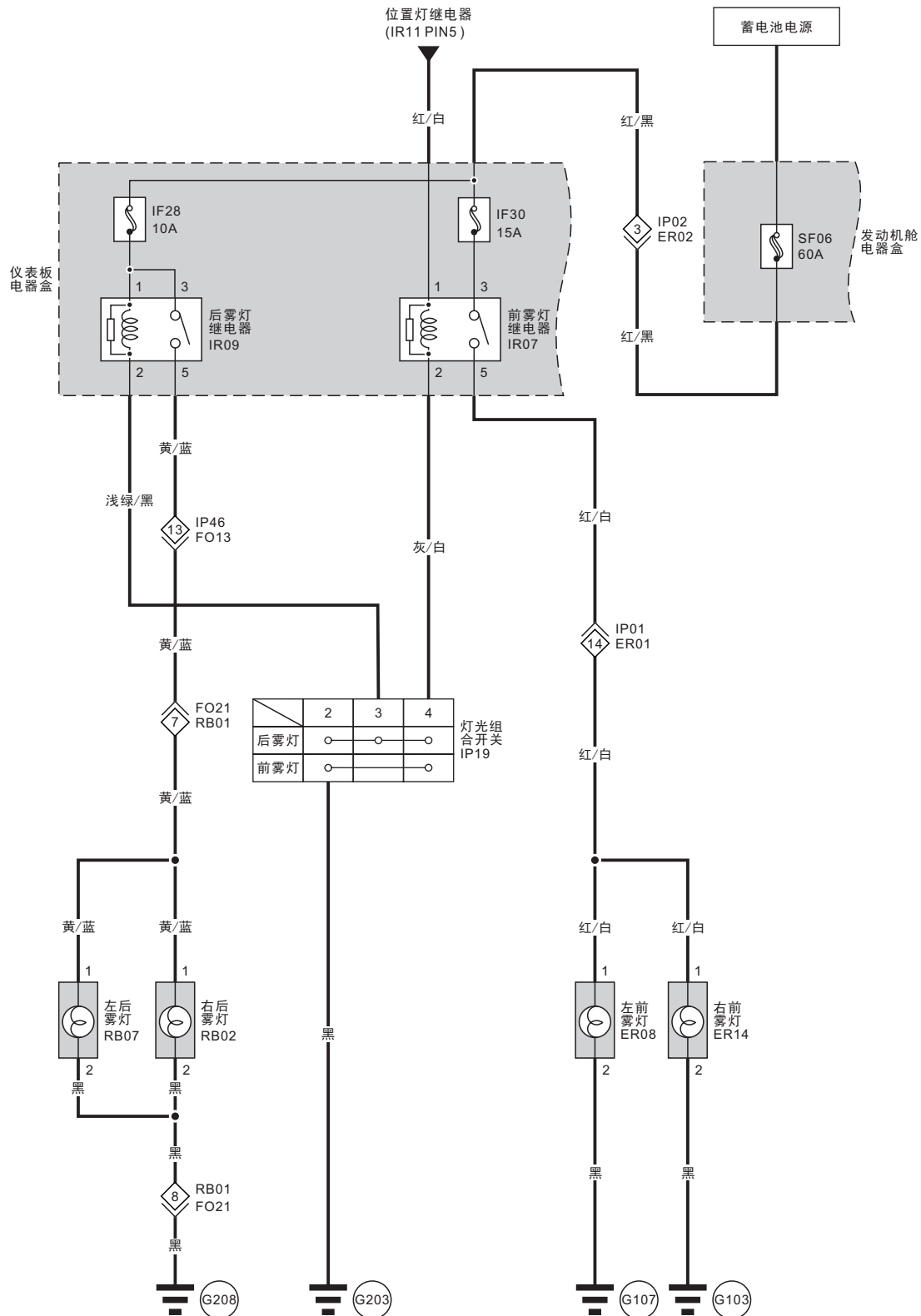


位置灯系统

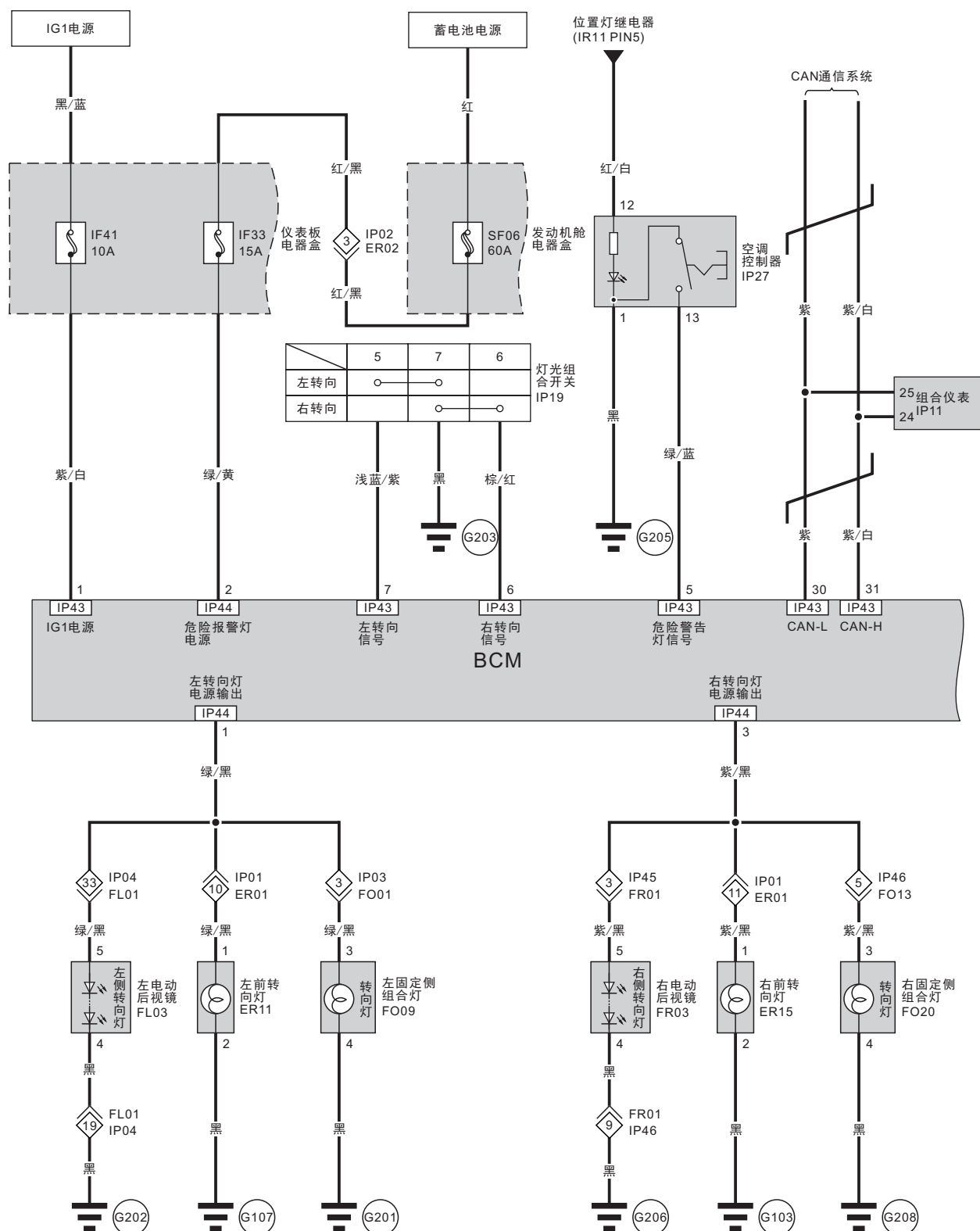


CI

雾灯系统

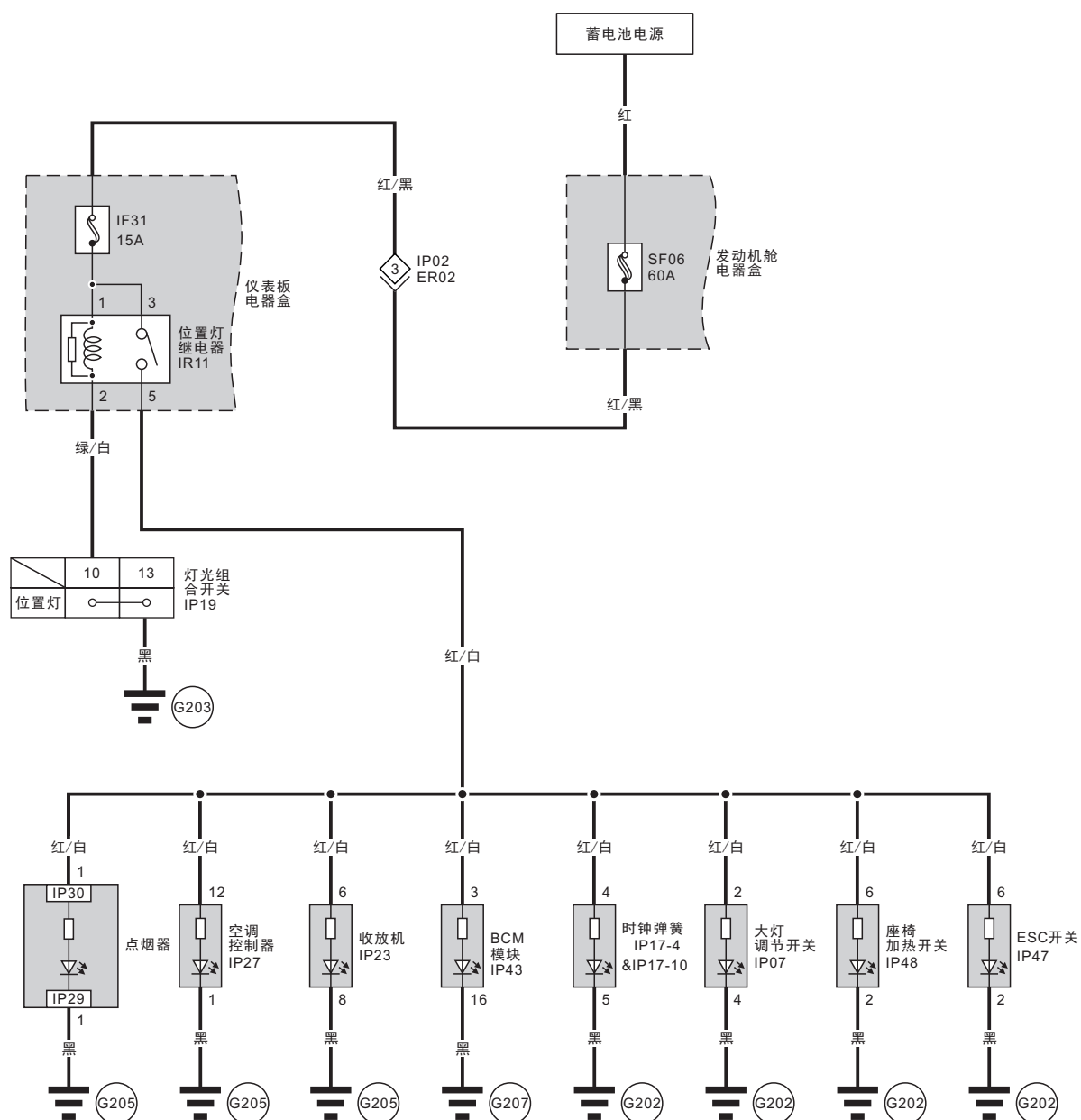


转向灯系统 (点火开关车型)

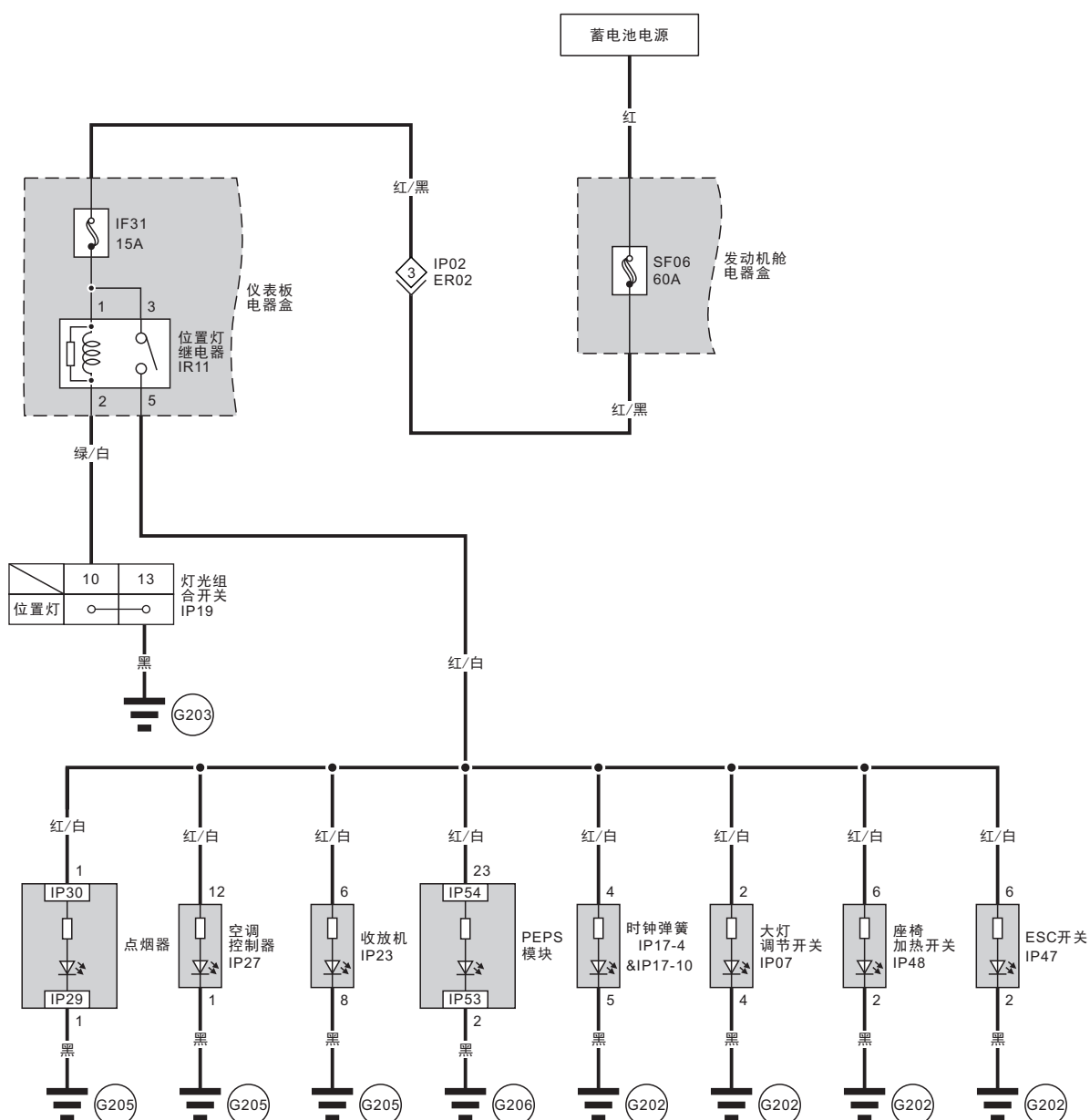


CI

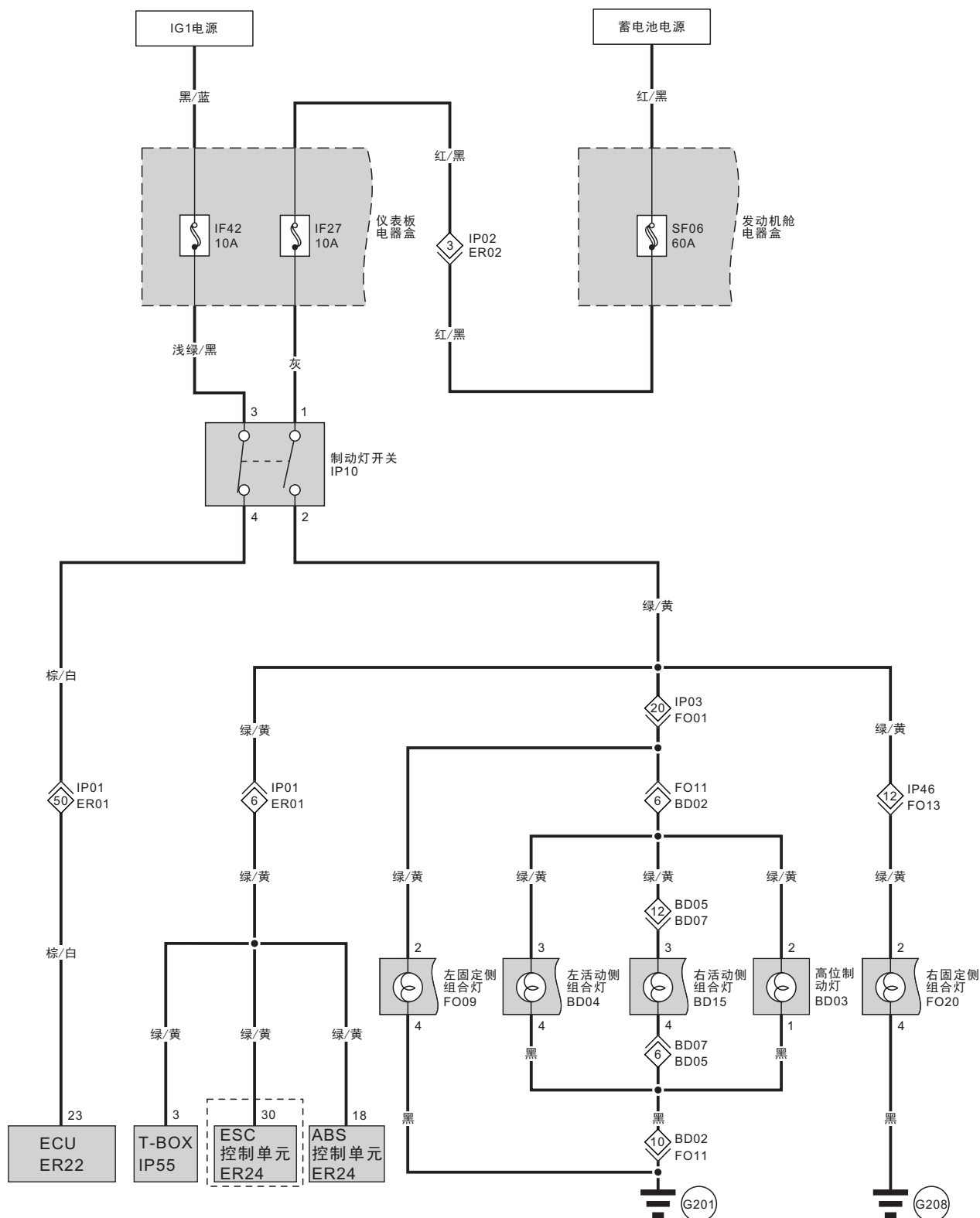
背光灯 (点火开关车型)



CI

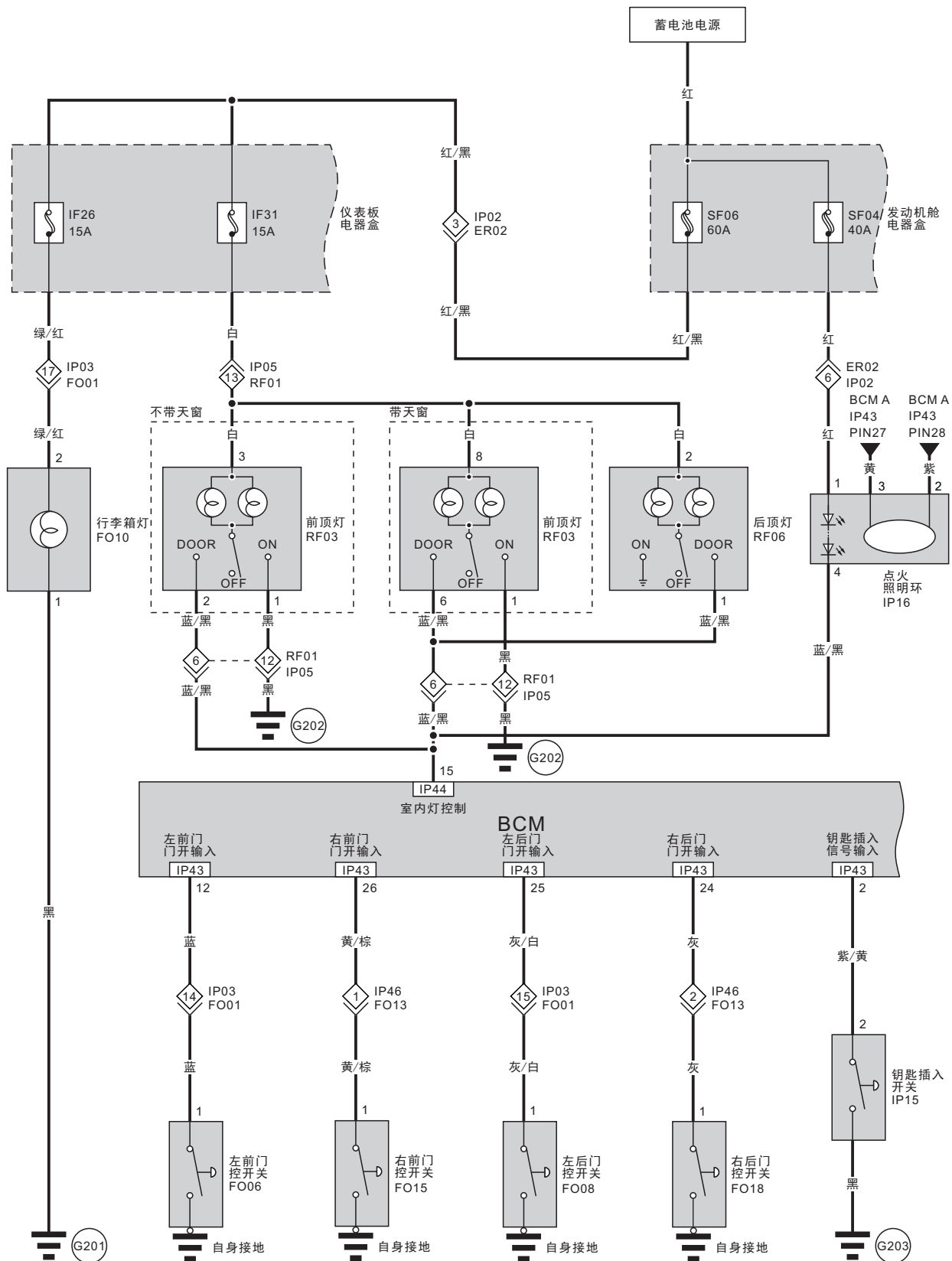


制动灯

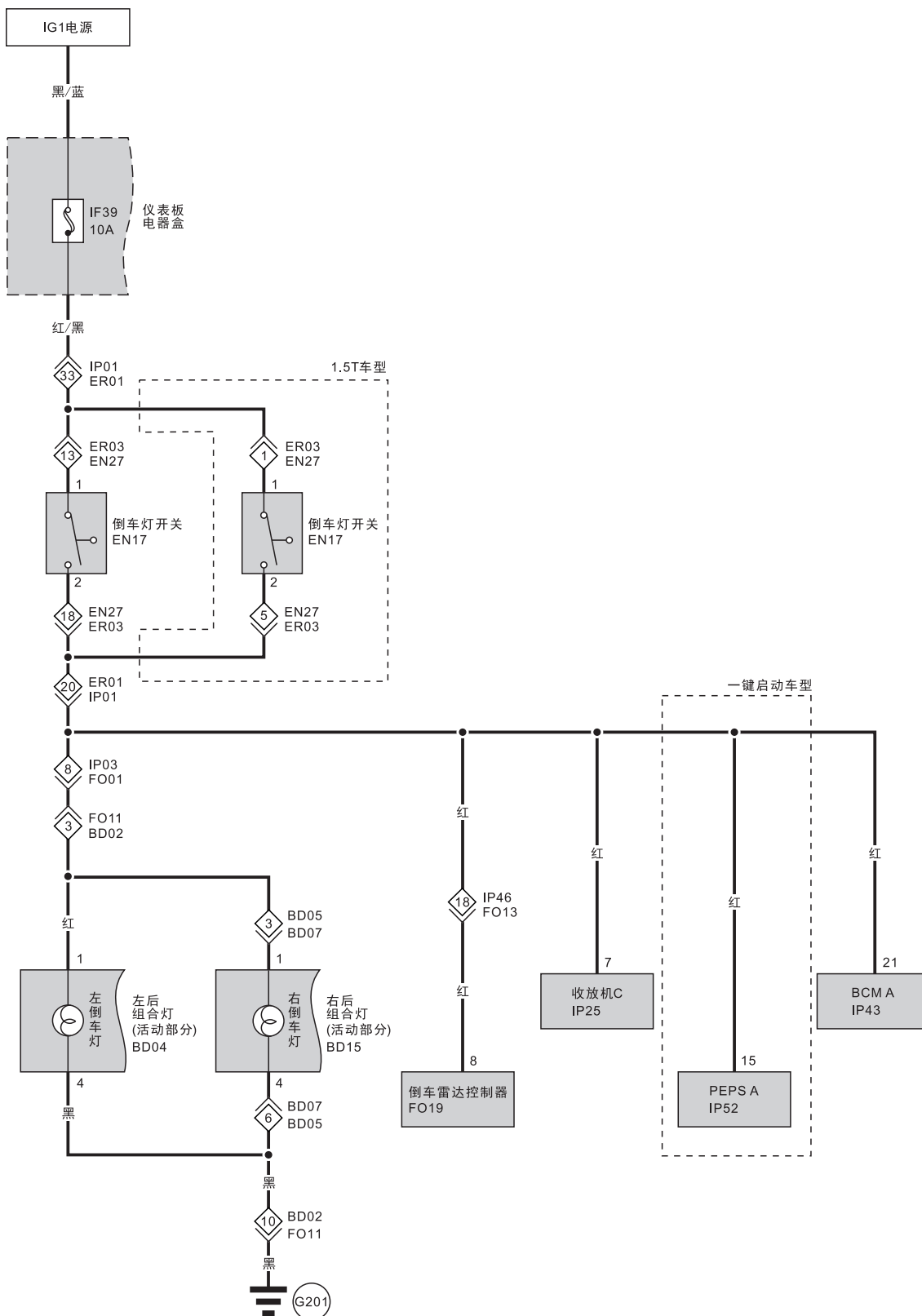


CI

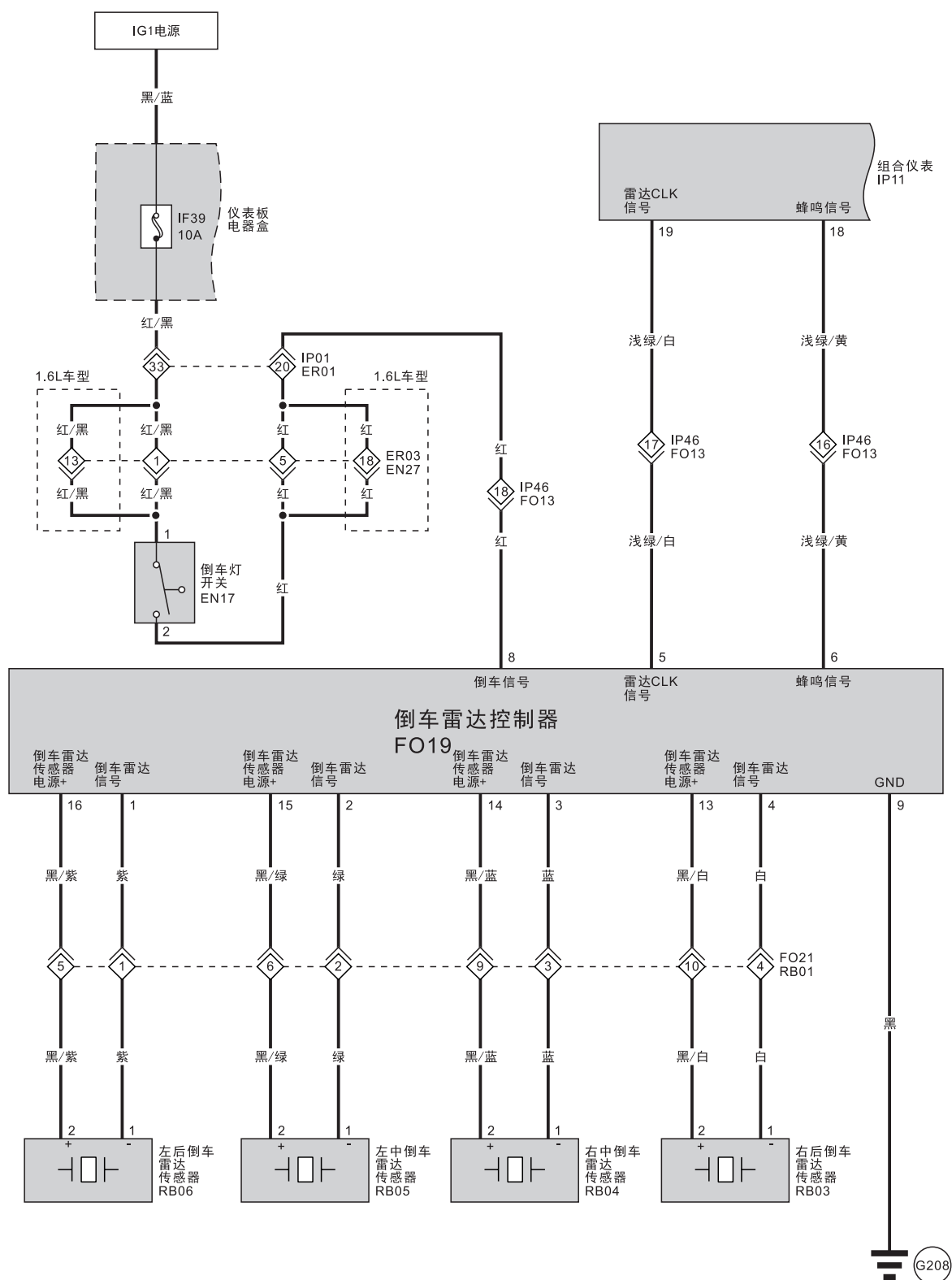
室内灯 (点火开关车型)



倒车灯



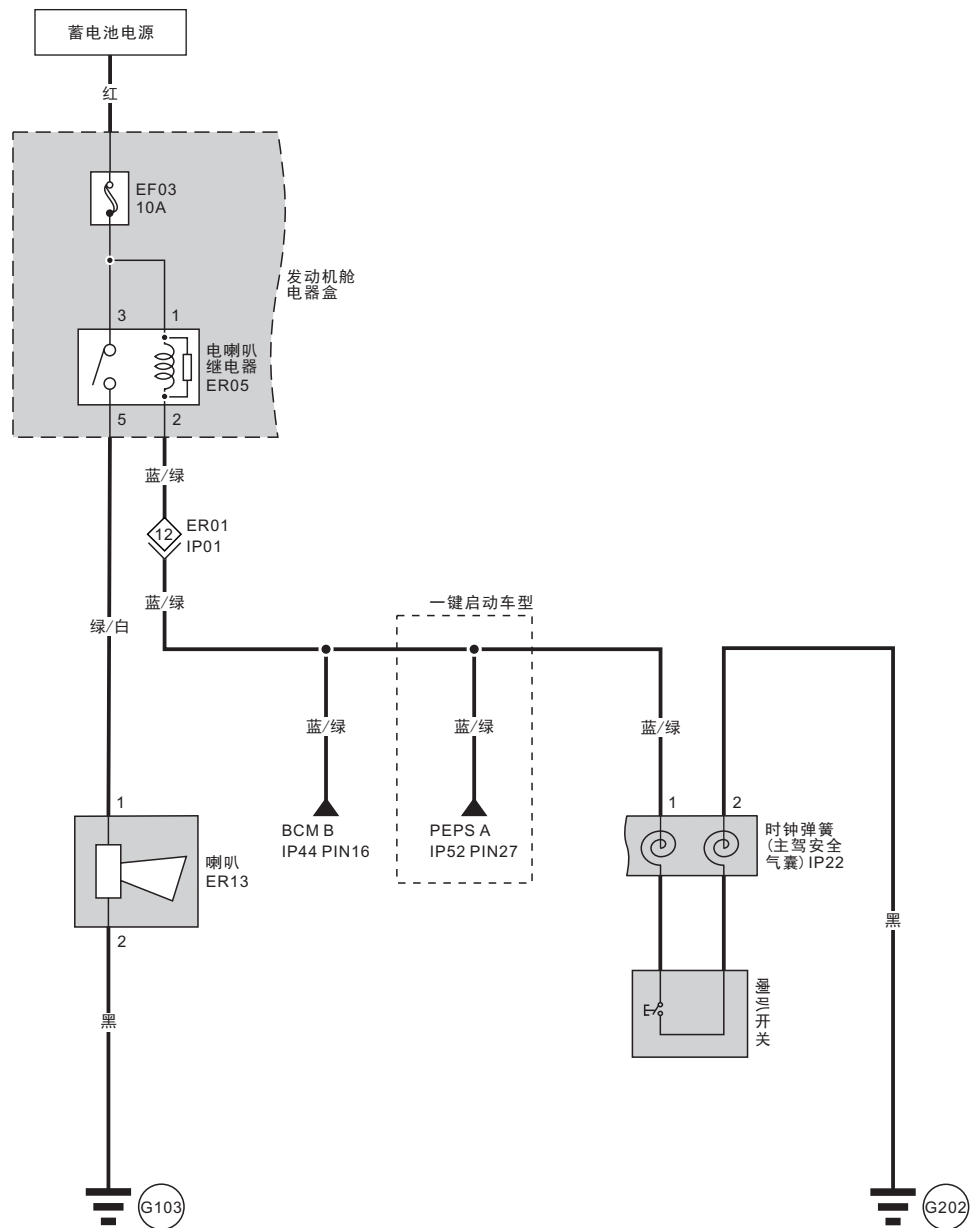
倒车雷达



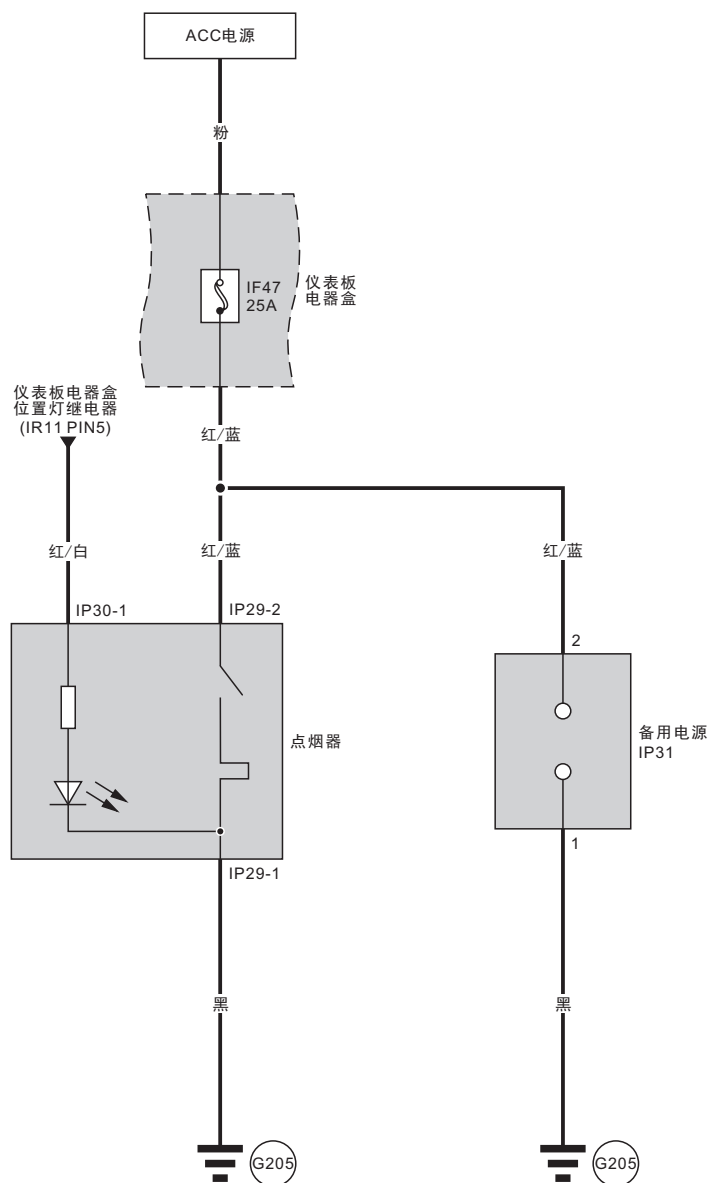
CI



喇叭

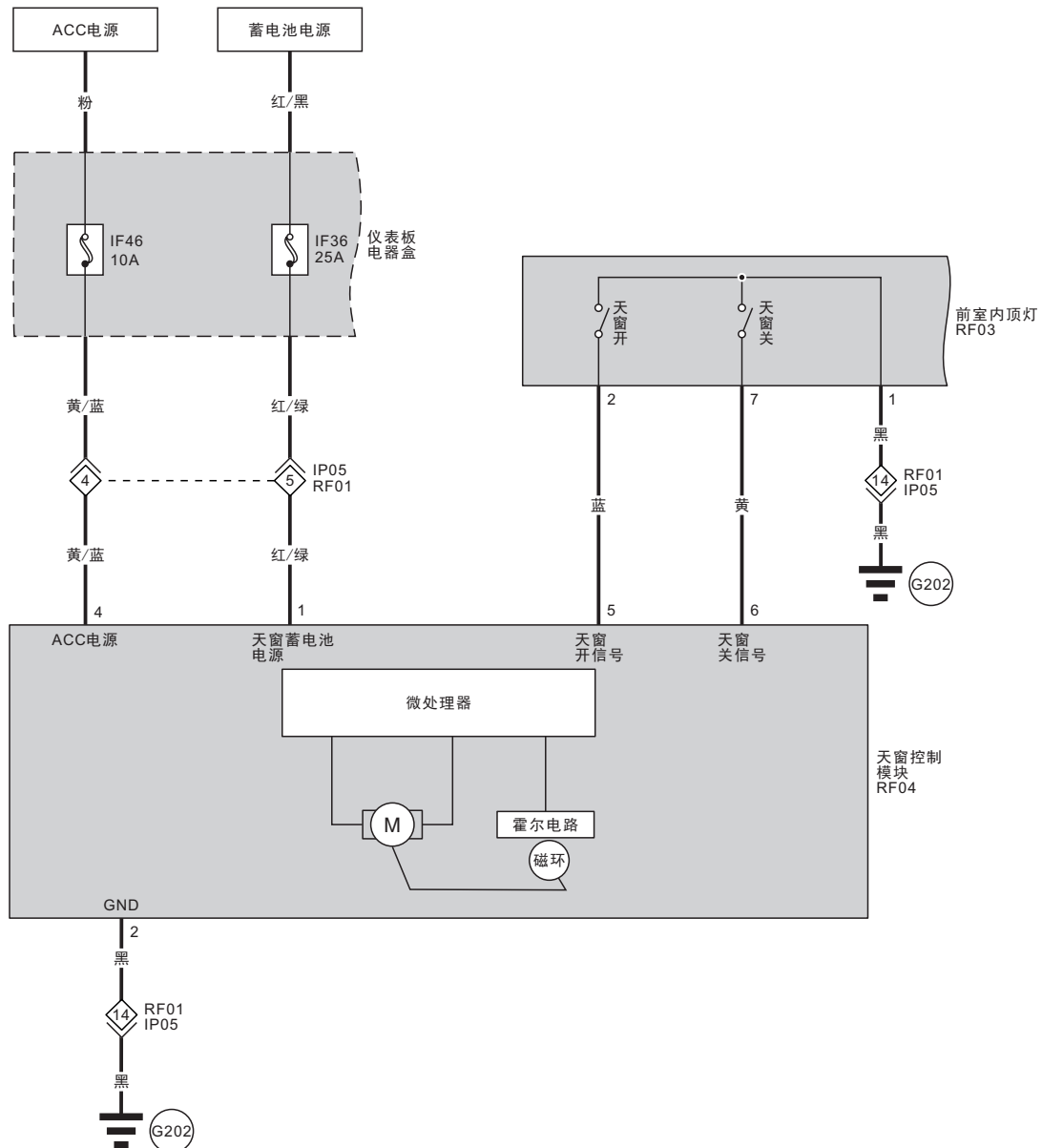


点烟器

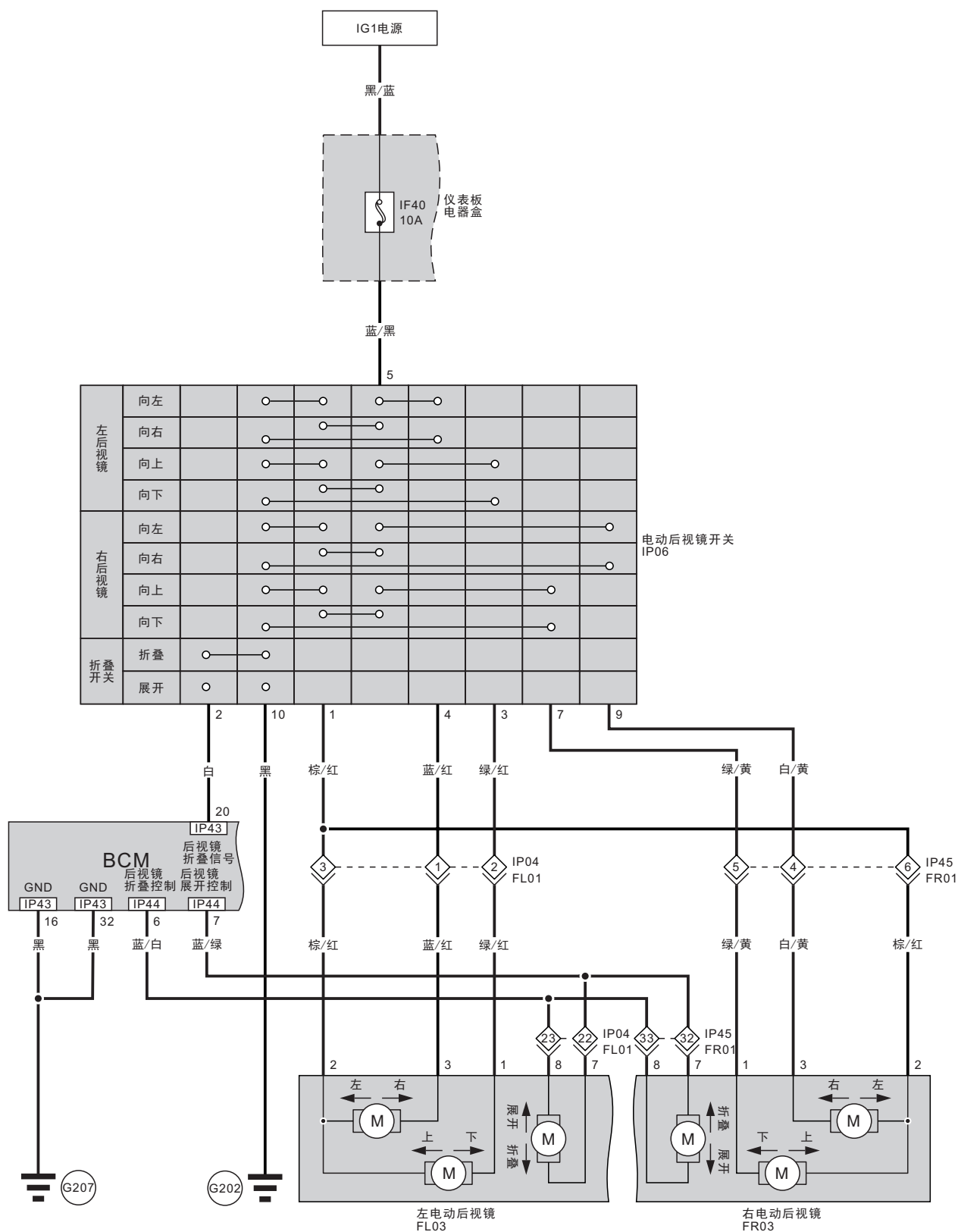


CI

电动天窗

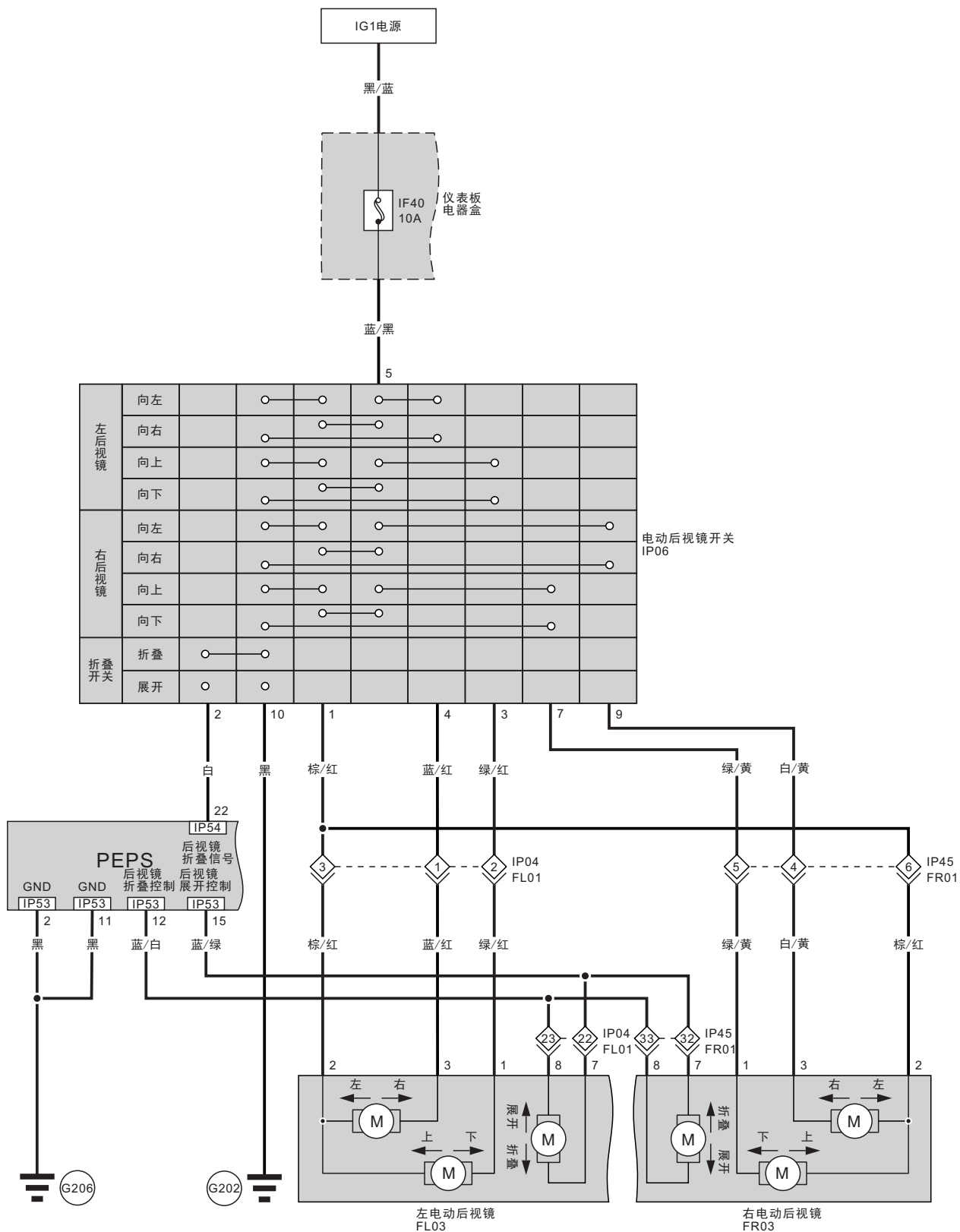


电动后视镜 (点火开关车型)

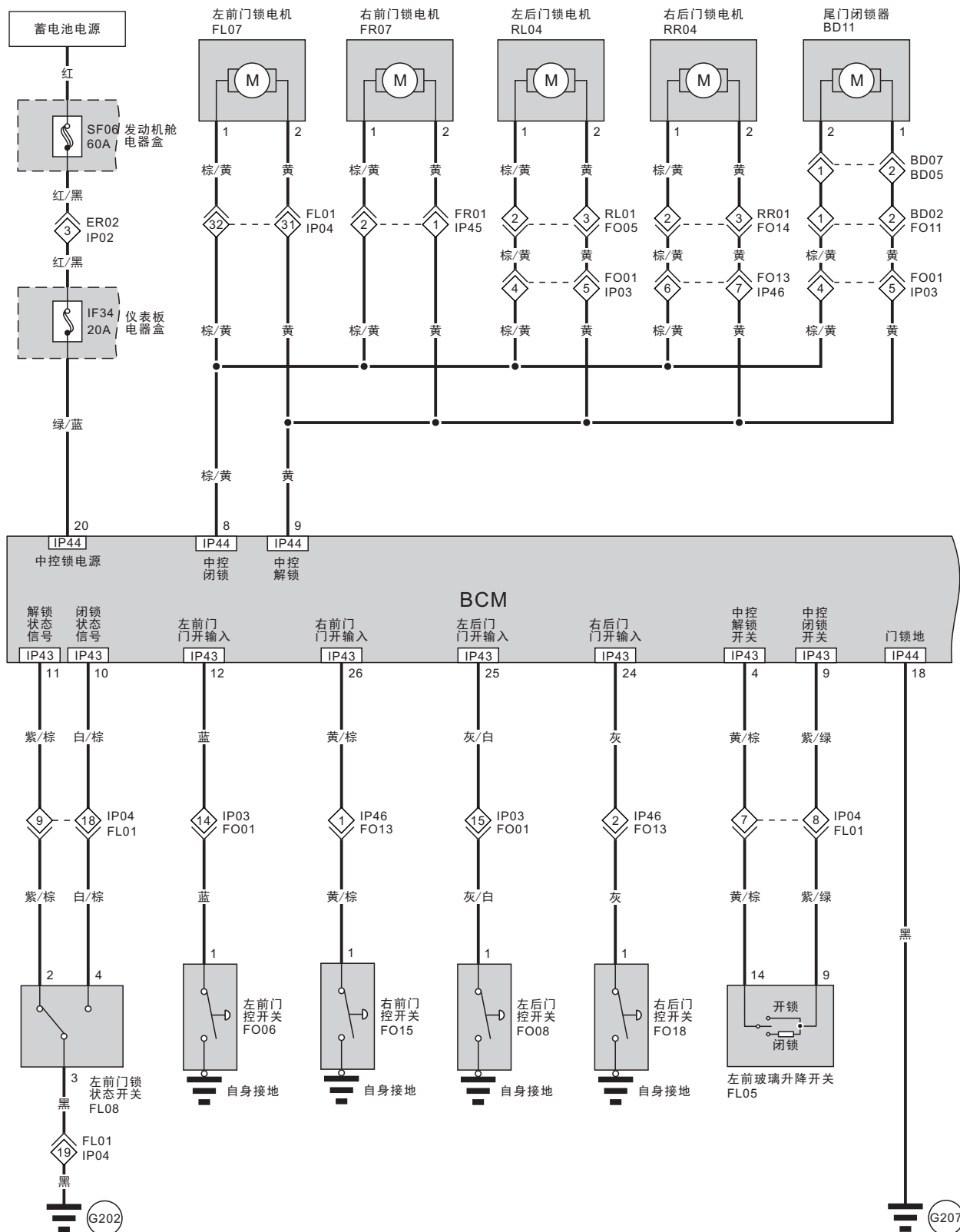


CI

电动后视镜 (PEPS 车型)

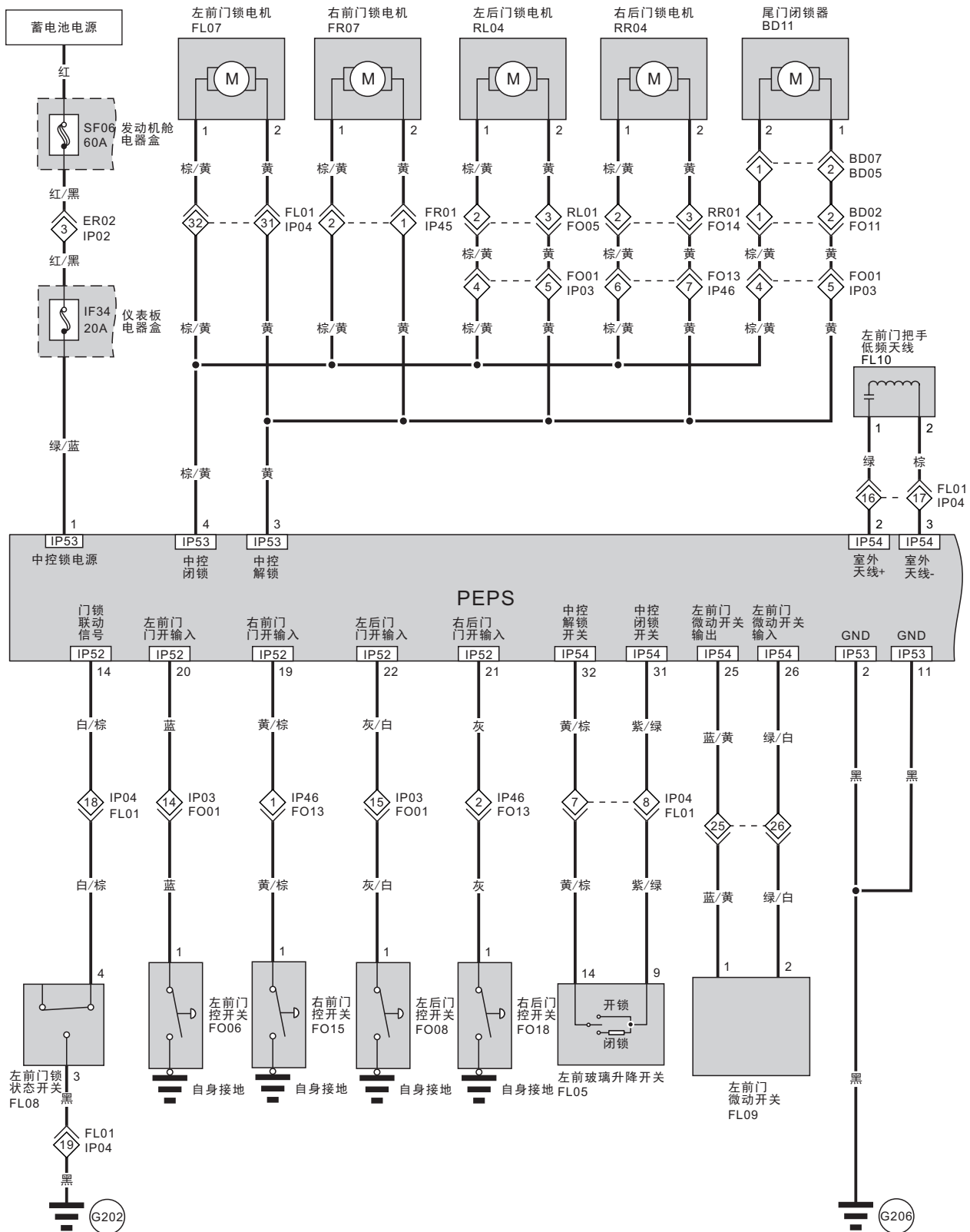


中控门锁 (点火开关车型)

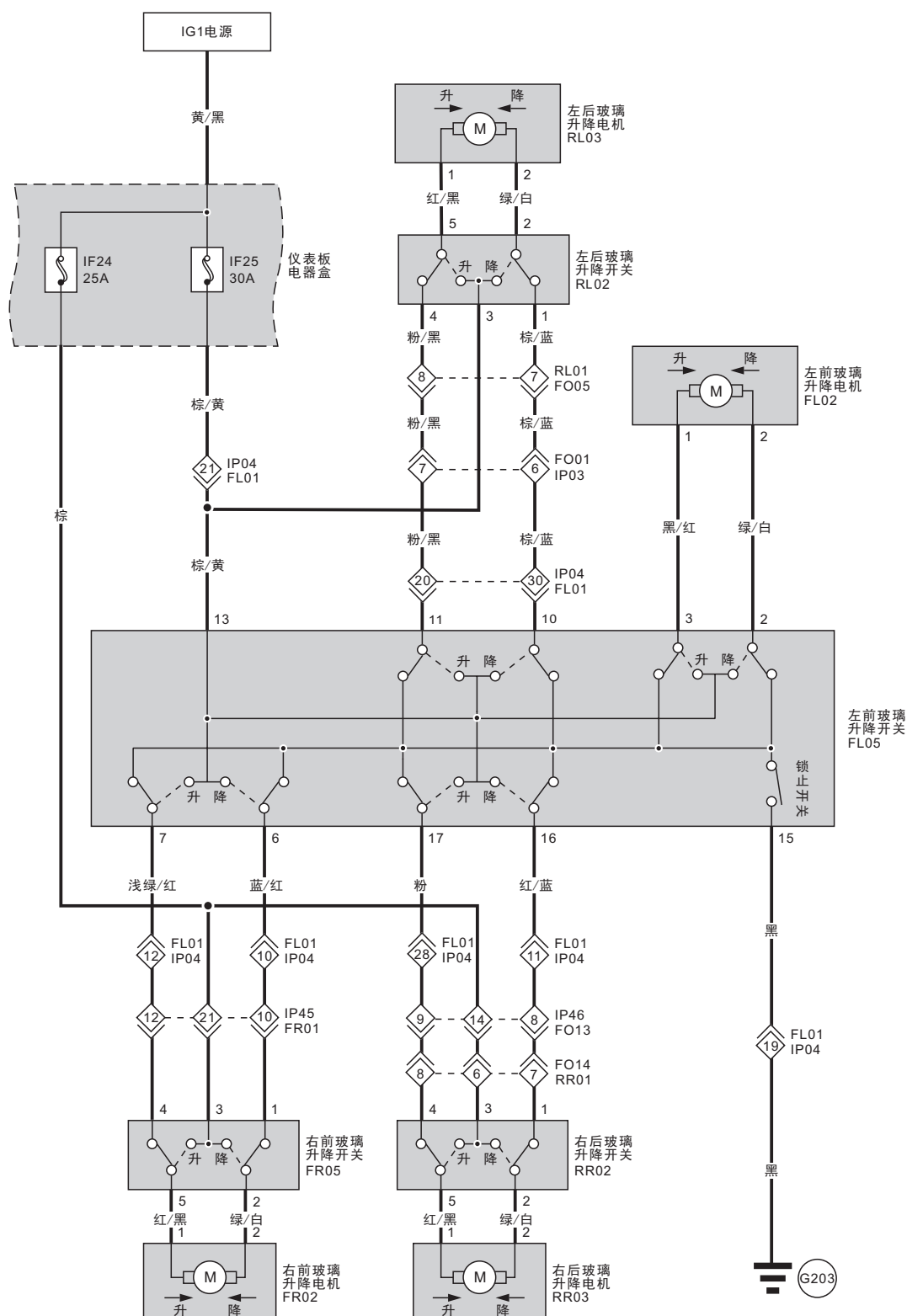


CI

中控门锁 (PEPS 车型)

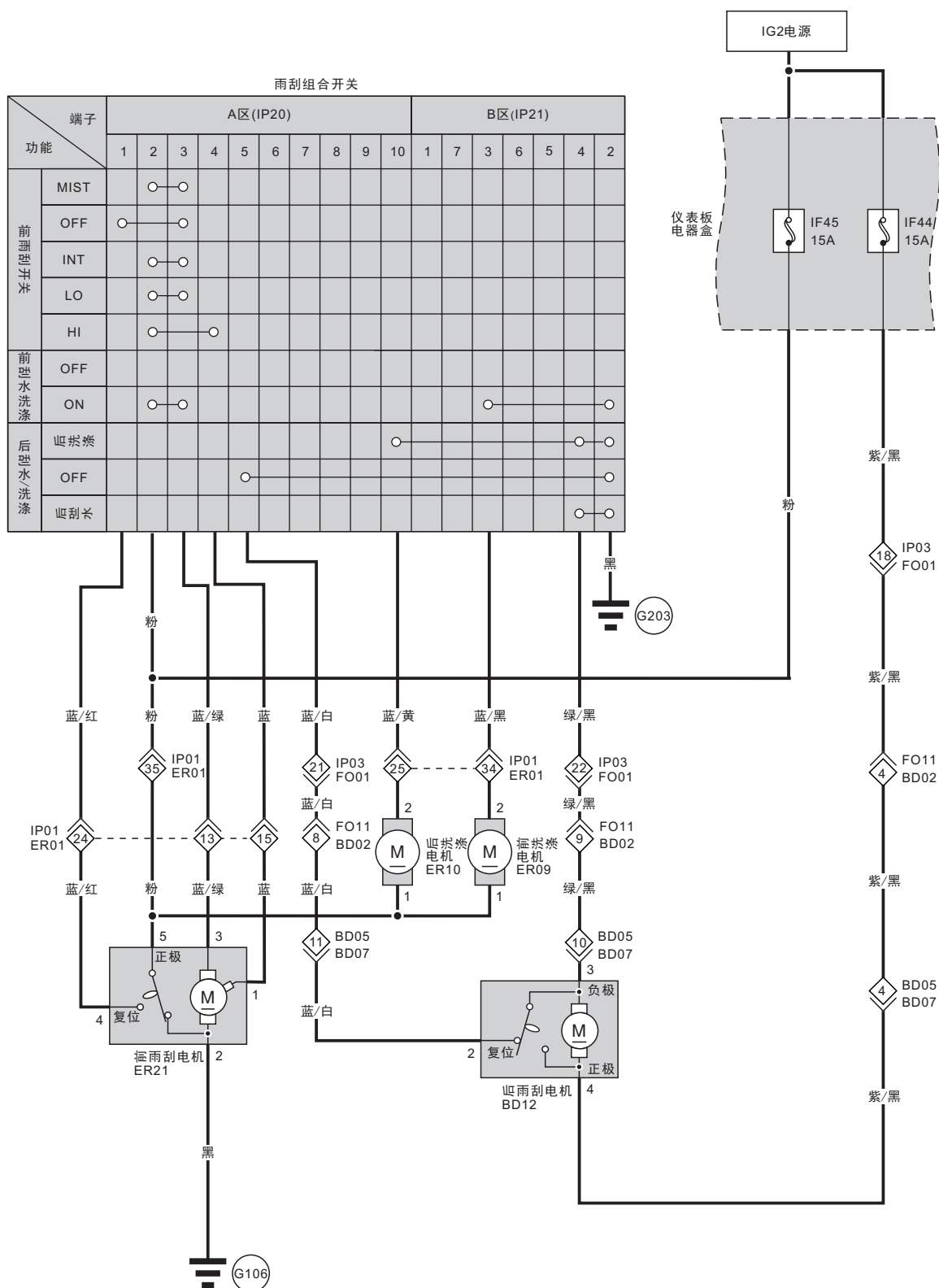


电动车窗

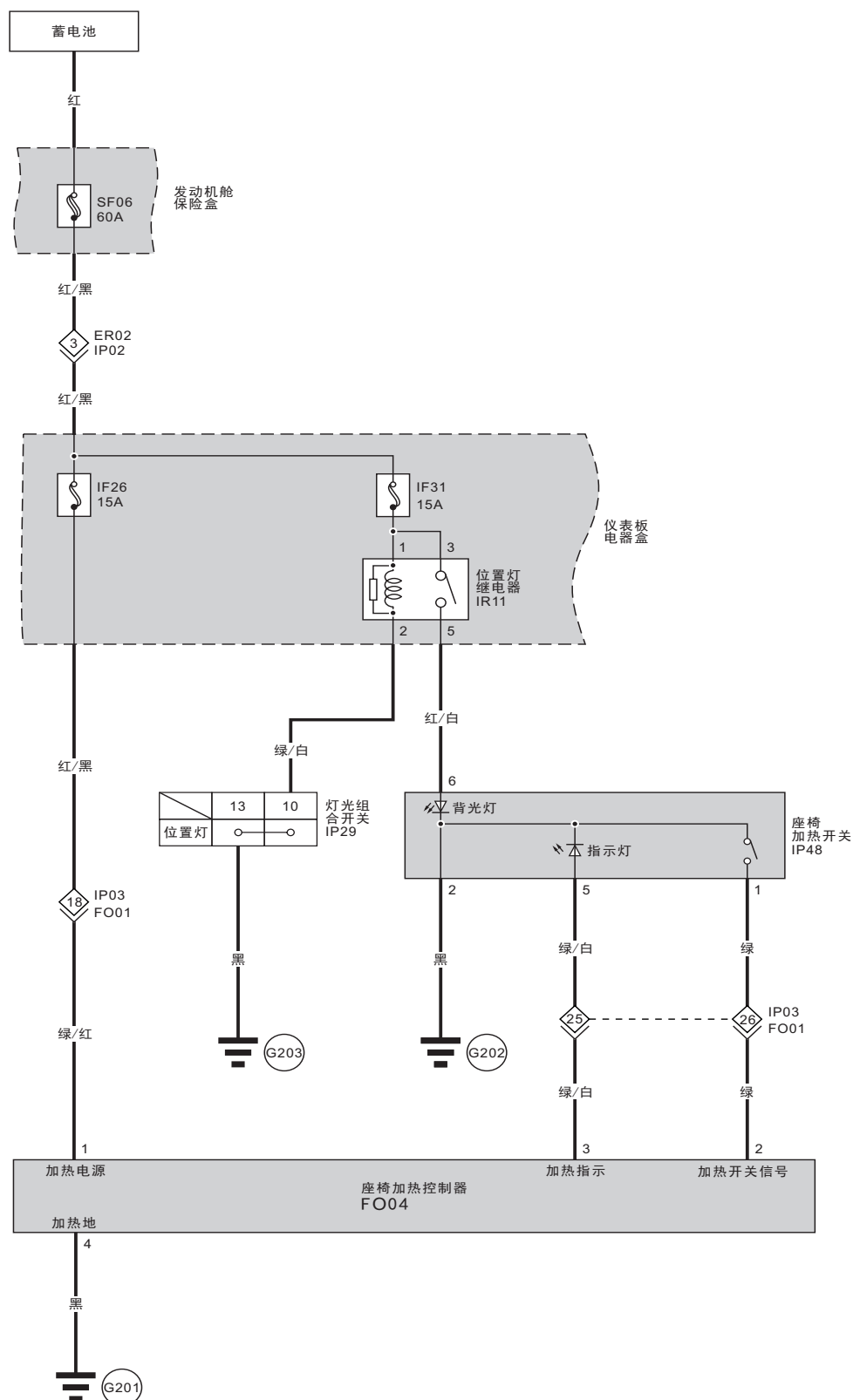


CI

雨刮与洗涤系统



座椅加热与电动座椅系统



CI

蓄电池电源

红

SF06 60A 发动机舱电器盒

红/黑

ER02 IP02

红/黑

IF34 20A IF33 15A IF26 15A 仪表板电器盒

绿/蓝 20 IP44 中控锁电源

绿/黄 2 IP44 危险报警灯电源

绿/红 10 IP44 BCM电源

浅蓝/紫 7 IP43 左转向信号

棕/红 6 IP43 右转向信号

黑 G203

蓝/绿 16 IP44 喇叭控制信号

红 21 IP43 倒车开关信号

紫/白 30 IP43 CAN-H

紫 31 IP43 CAN-L

1.5T车型

至喇叭继电器 ER03 PIN2

至倒车灯开关 EN17 PIN2

至倒车灯开关 EN17 PIN2

18 5 EN27 ER03

12 ER01 IP01

20 ER01 IP01

BCM

应急灯信号输出 IP43 5

后除霜反馈信号 IP44 20

后除霜控制信号 IP43 8

背光灯信号 IP43 3

左转向灯电源输出 IP44 1

右转向灯电源输出 IP44 3

昼行灯电源 IP44 4

绿/蓝 绿/蓝

紫 紫

绿/紫 绿/紫

红/白 红/白

绿/黑 绿/黑

绿/黑 绿/黑

绿/黑 绿/黑

紫/黑 紫/黑

紫/黑 紫/黑

紫/黑 紫/黑

黄/绿 黄/绿

黄/绿 黄/绿

IP04 FL01 33

IP01 ER01 10

IP03 FO01 3

IP45 FR01 3

IP01 ER01 11

IP46 FO13 5

IP01 ER01 19

电动空调控制器 IP27 PIN13

电动空调控制器 IP27 PIN7

电动空调控制器 IP27 PIN6

至小灯继电器 IR11 PIN5

至左侧转向灯 FL03 PIN5

至左前转向灯 ER11 PIN1

至左后转向灯 FO09 PIN3

至右侧转向灯 FR03 PIN5

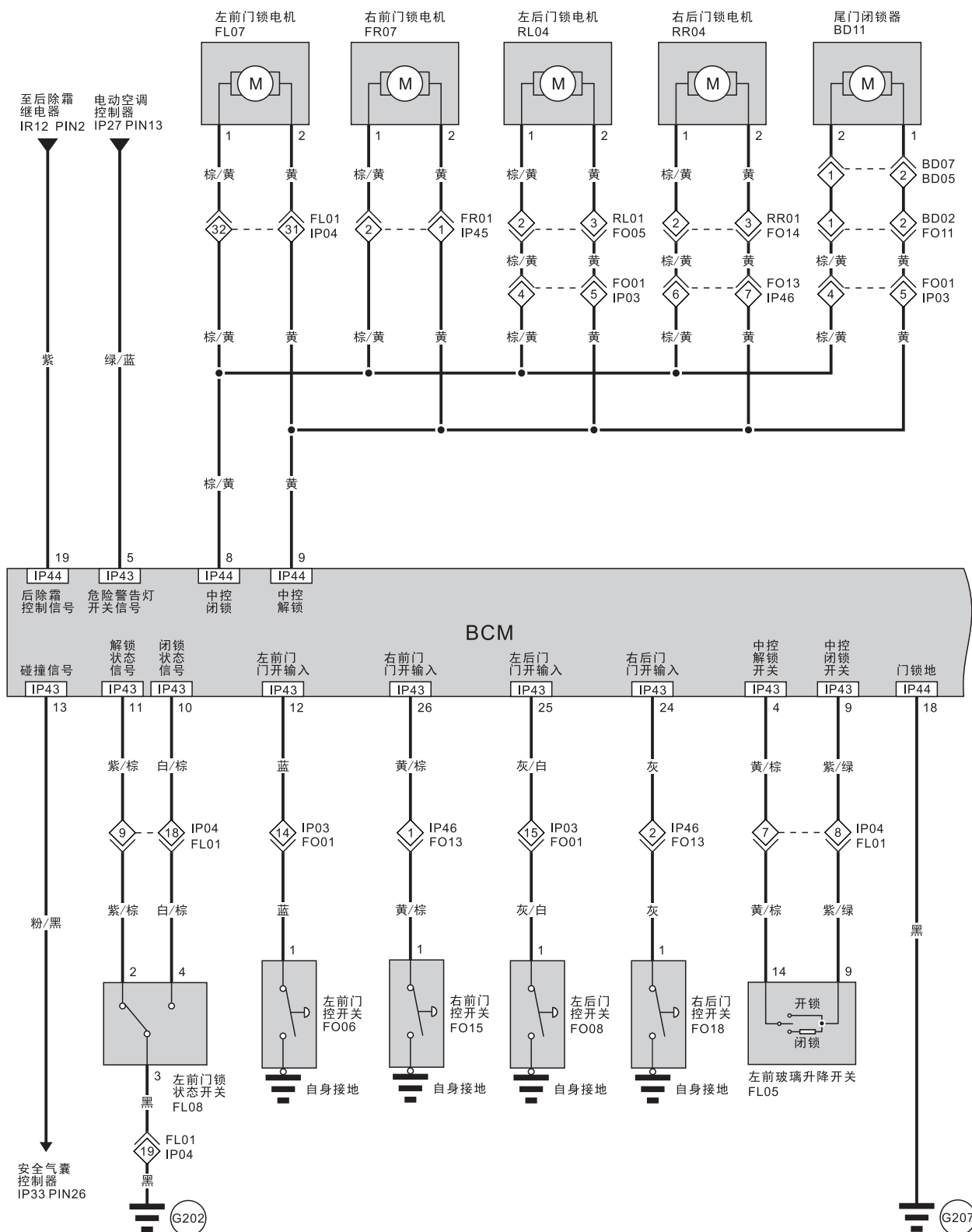
至右前转向灯 ER15 PIN1

至右后转向灯 FO20 PIN3

至左前组合灯 ER05 PIN2

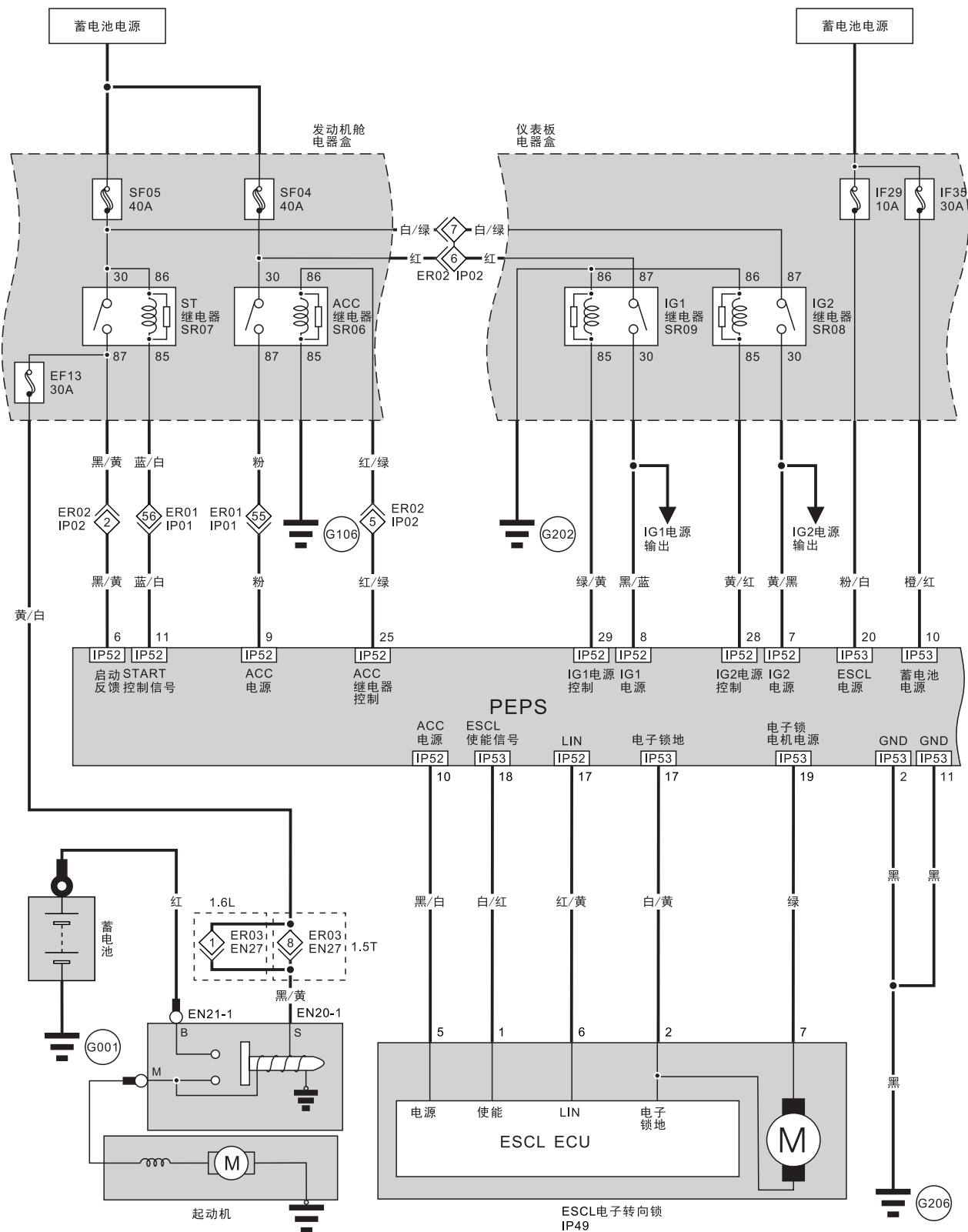
至右前组合灯 ER18 PIN1

车身控制系统 2

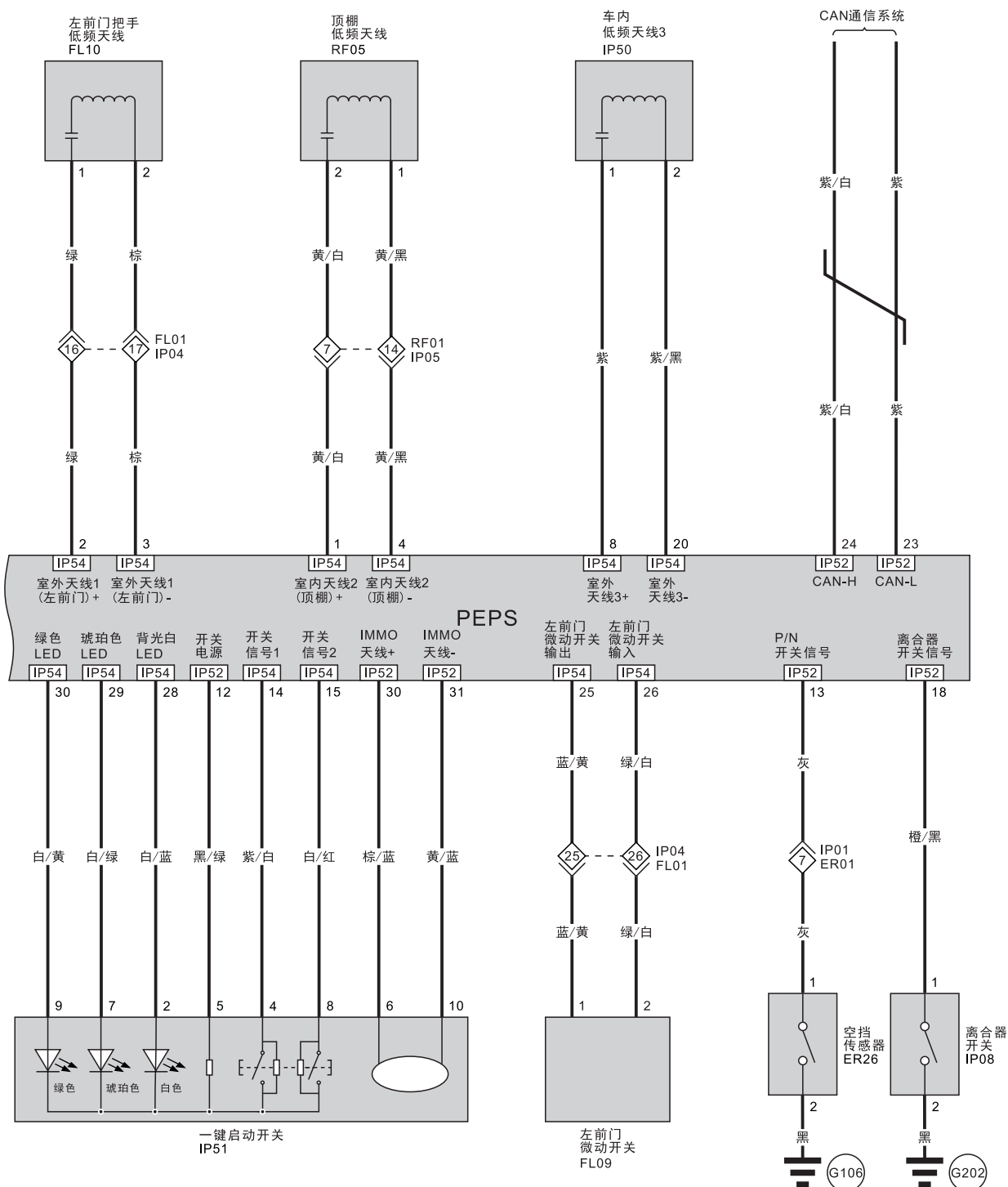


CI

PEPS 控制系统 1

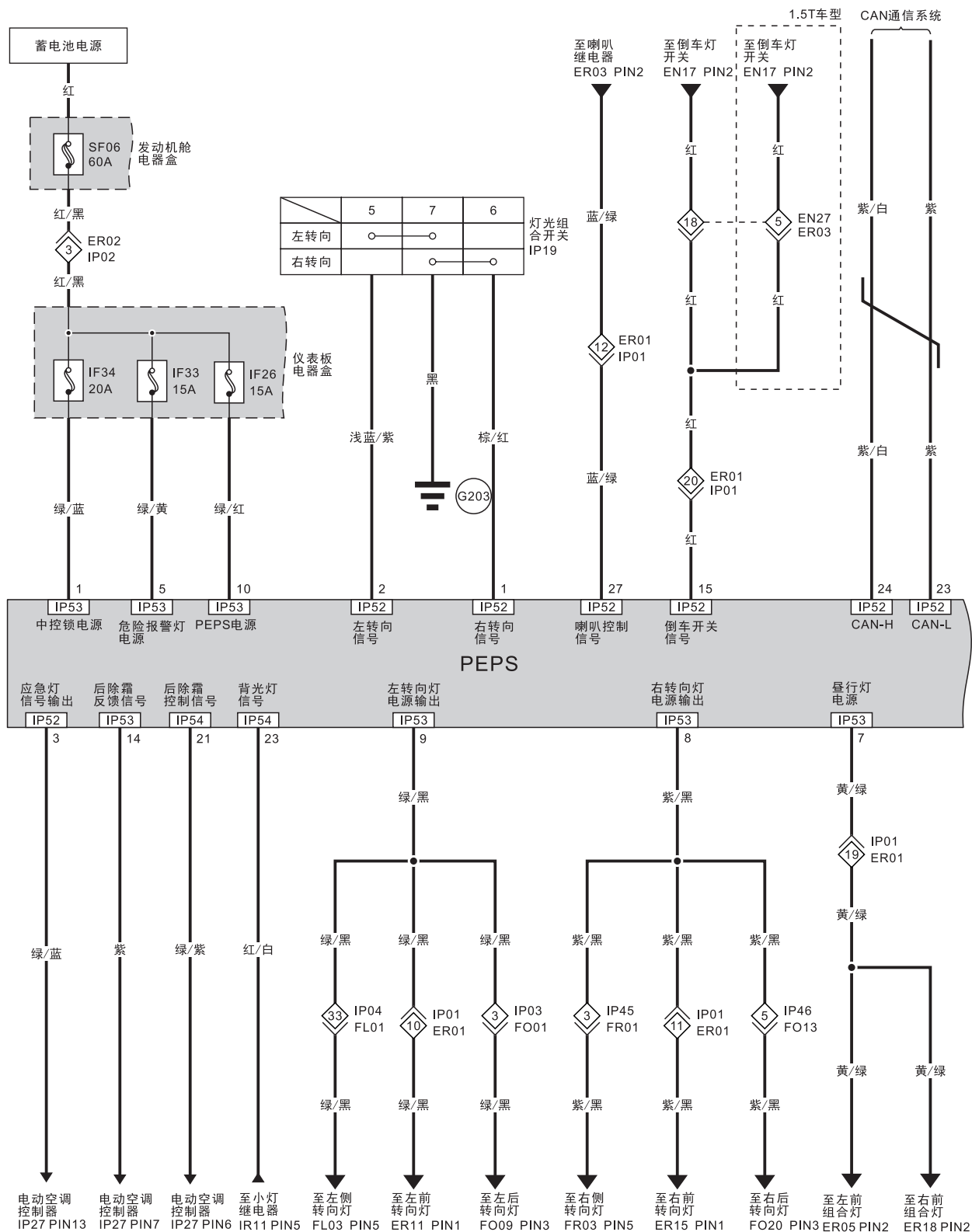


PEPS 控制系统 2

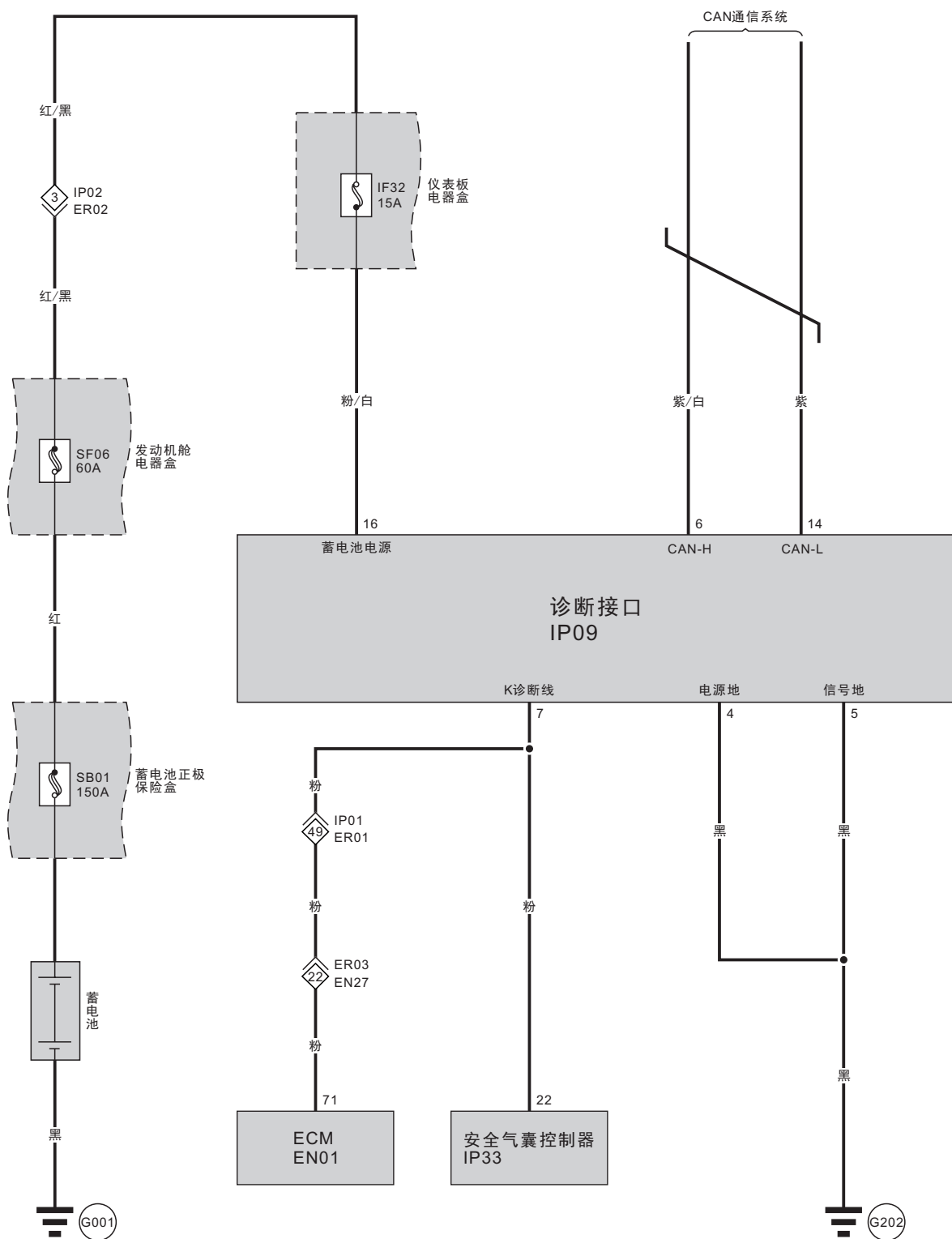


CI

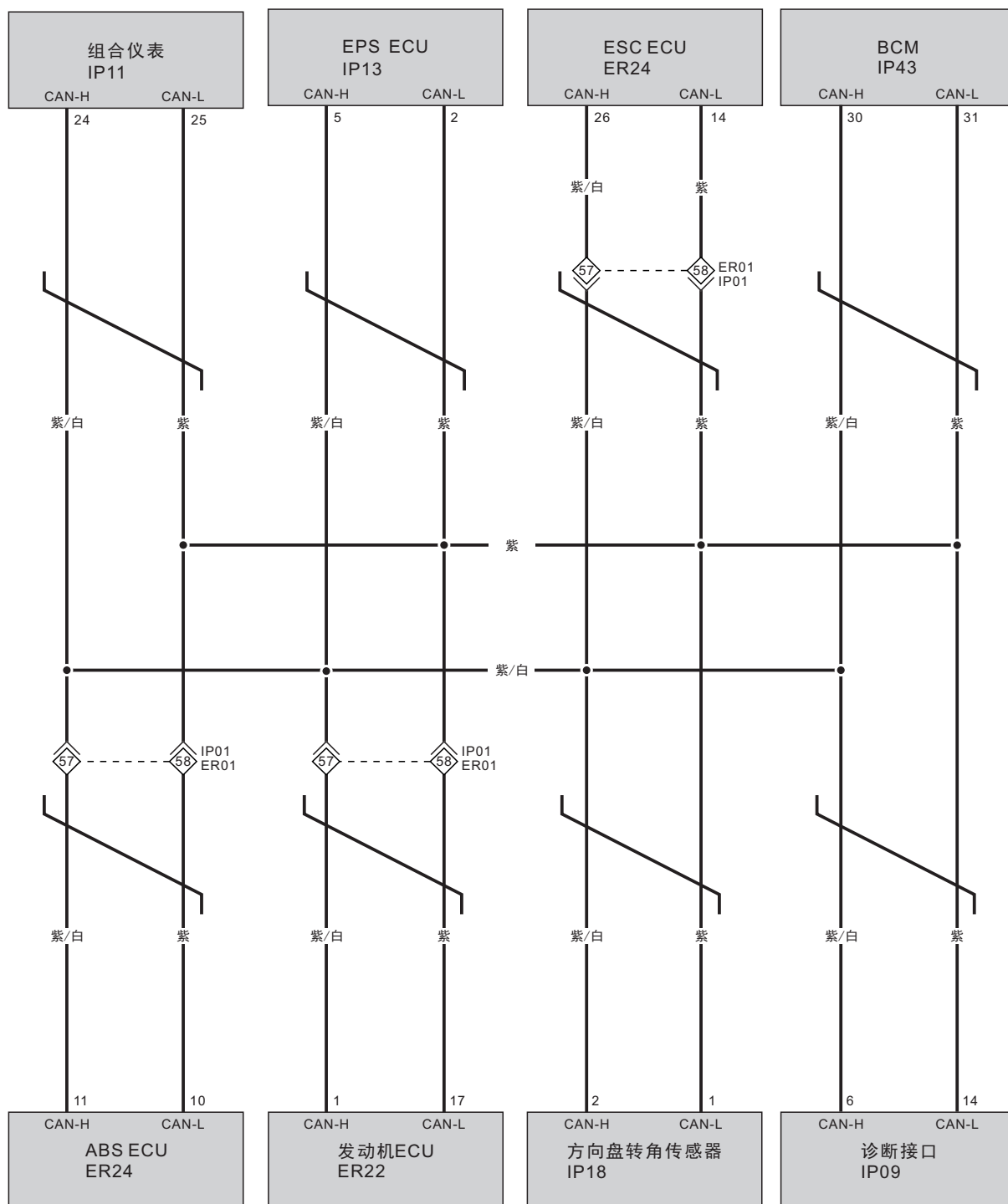
PEPS 控制系统 3



诊断接口系统

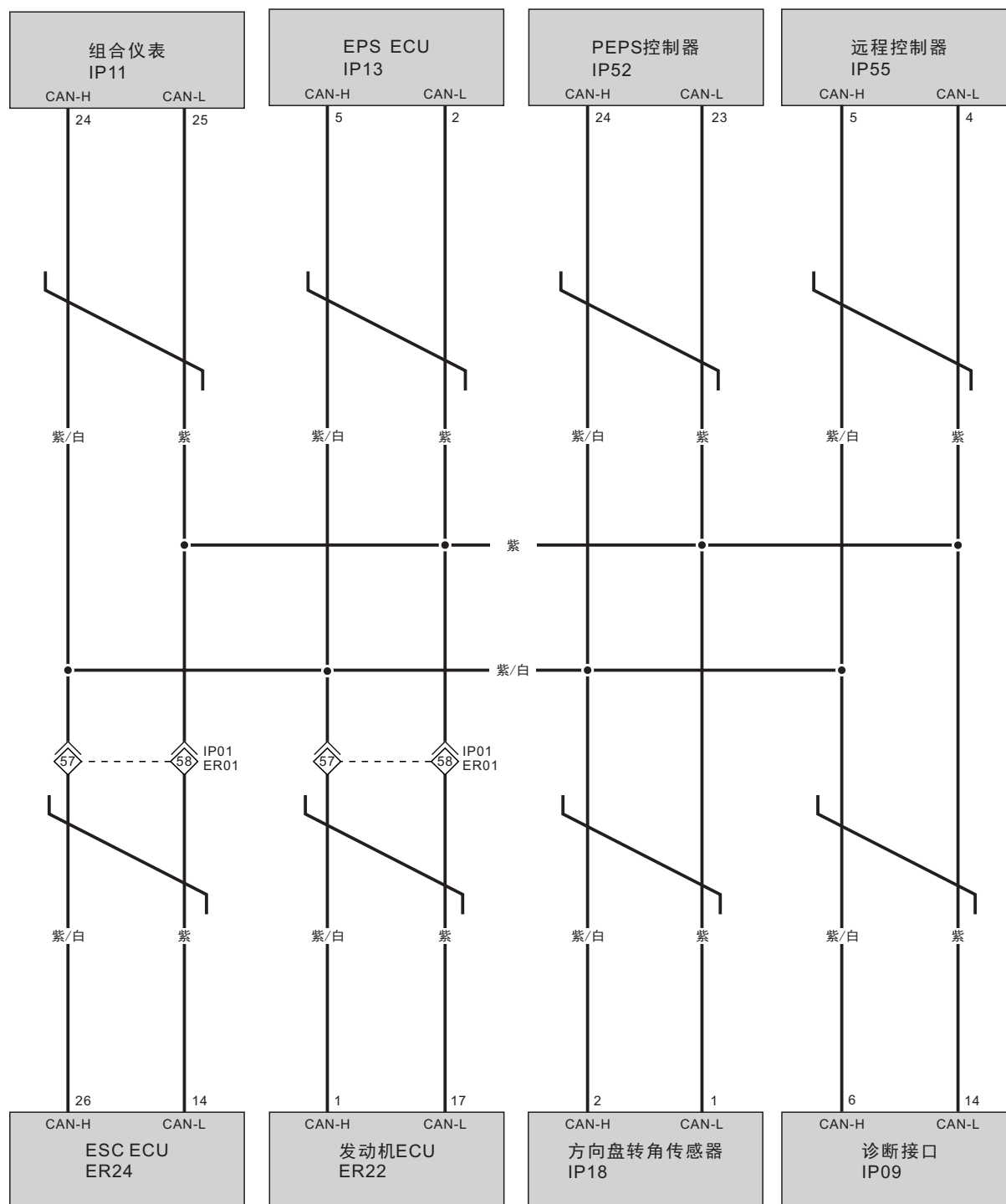


CAN 通讯系统 (1.5T 点火开关车型)

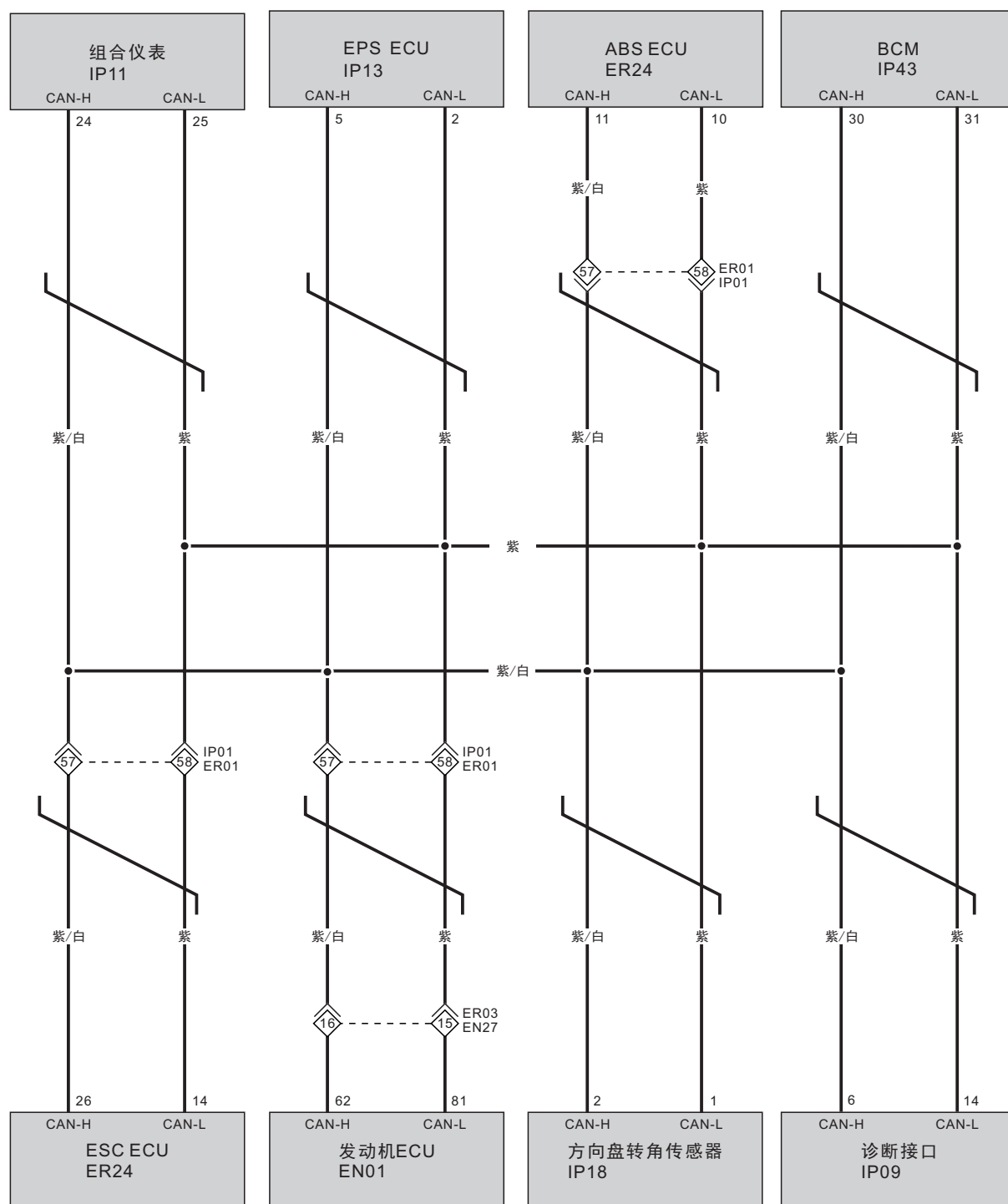


CI

CAN 通讯系统 (1.5T PEPS 车型)



CAN 通讯系统 (1.6L 点火开关车型)



CI

CAN 通讯系统 (1.6L PEPS 车型)

