



FOTON
福田汽车

福田萨普皮卡电器维修手册VII

适用车型：征服者 I 491 国三

2010 年 11 月

目录

1、安装位置

接地点安装位置.....3

保险、继电器盒及模块.....4

2、电路图

电源系统.....6

发动机电控系统.....7

倒车、音像及电动后视镜.....8

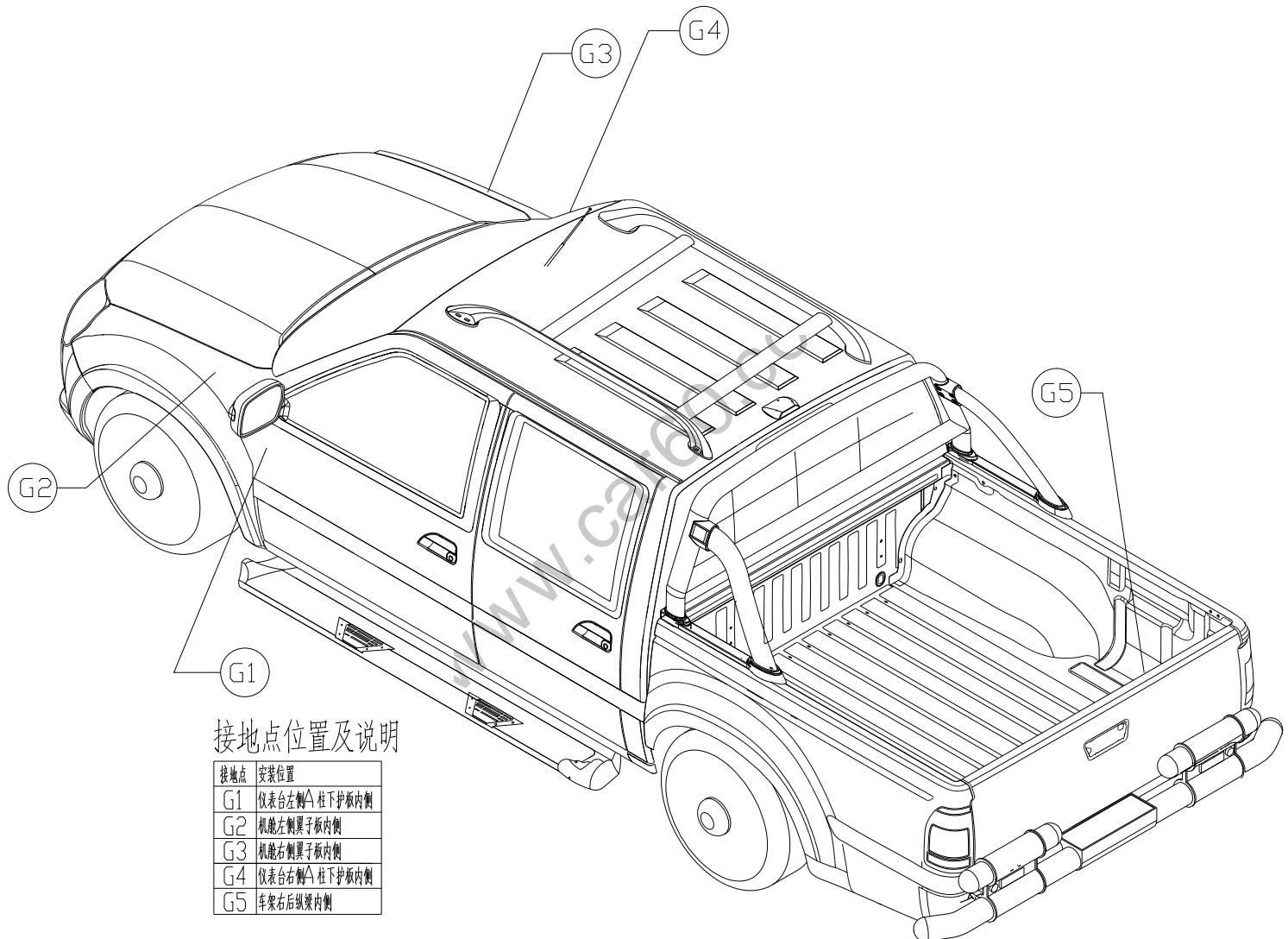
空调、雨刮及洗涤系统.....9

灯光、照明及信号系统.....10

组合仪表.....11

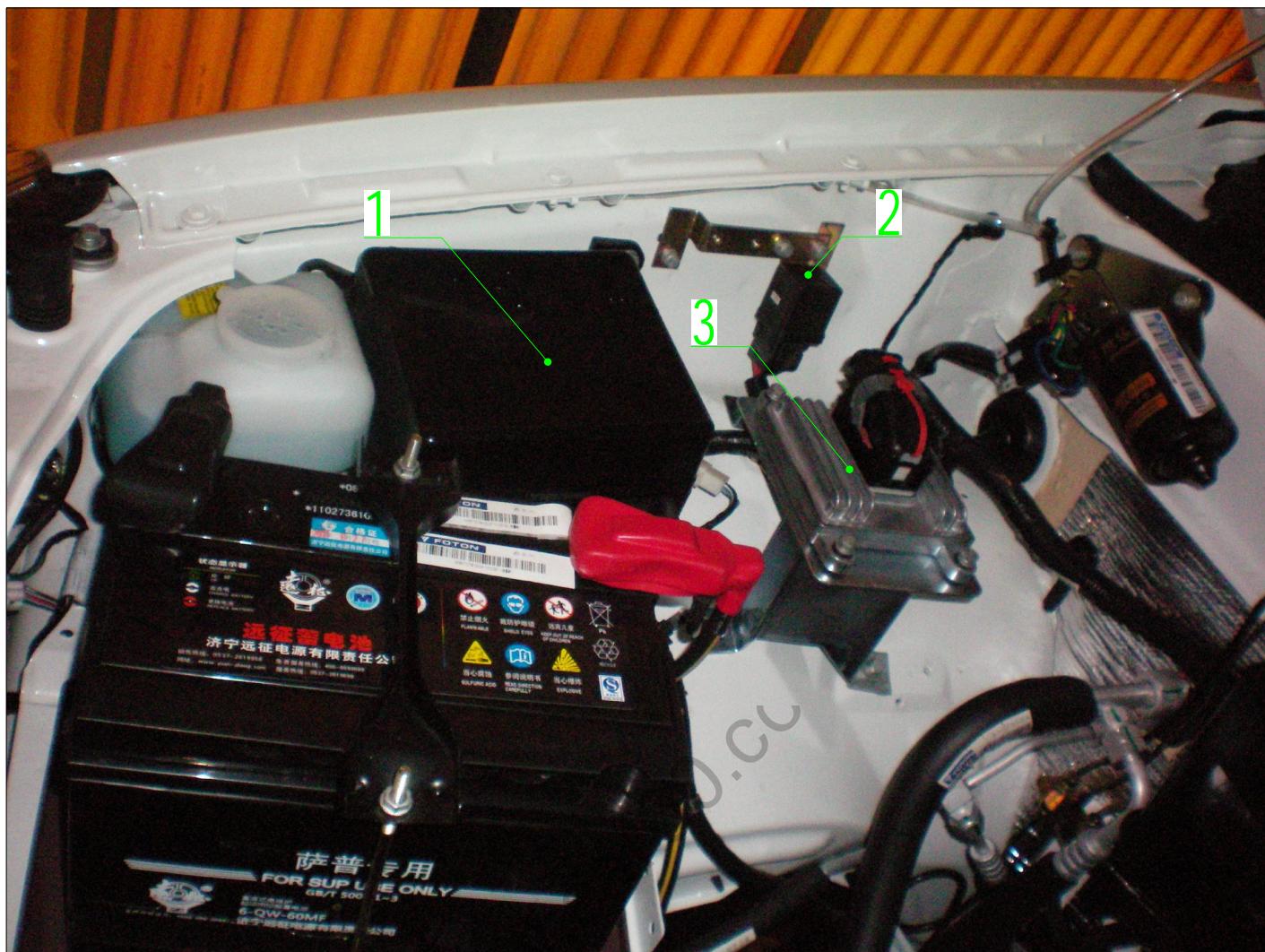
门灯、中控锁及电动窗.....12

整车线束布置图.....13

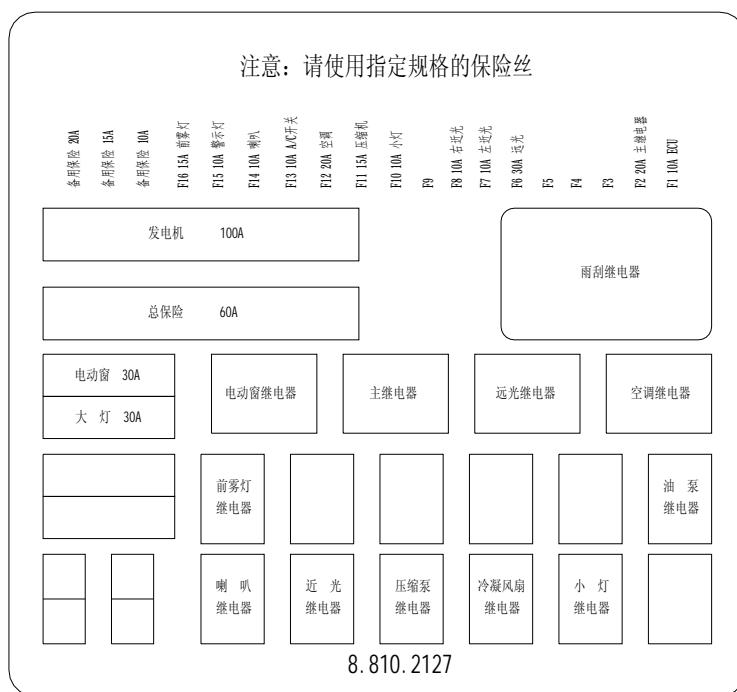


接地点位置及说明

接地点	安装位置
G1	仪表台左侧△柱下护板内侧
G2	机舱左侧翼子板内侧
G3	机舱右侧翼子板内侧
G4	仪表台右侧△柱下护板内侧
G5	车架右后纵梁内侧



1 继电器盒 2 启动机继电器 3 发动机ECU

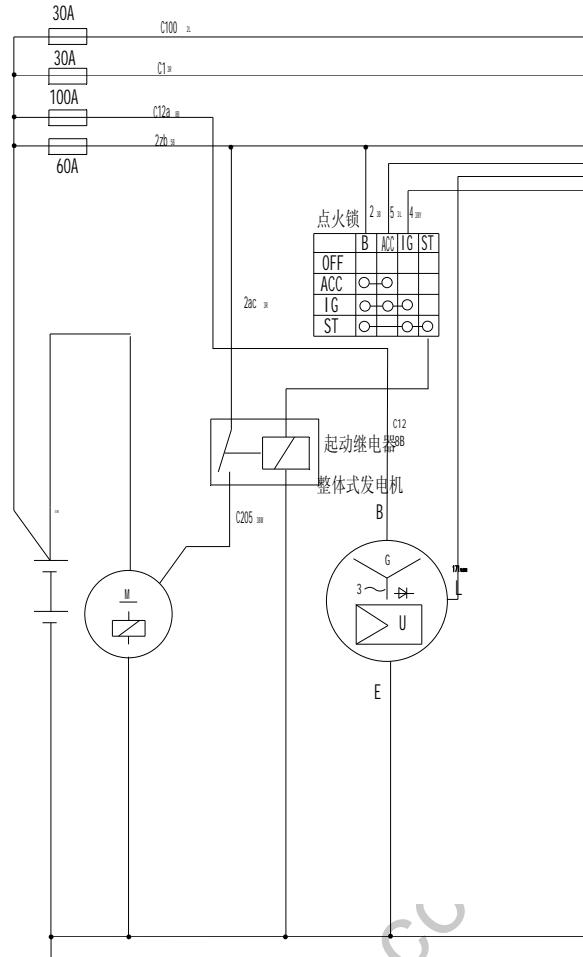




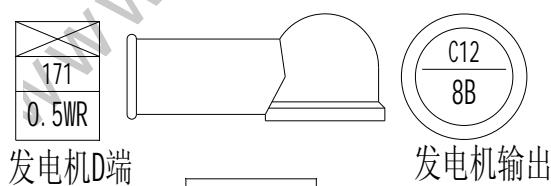
1保险盒 2中控锁控制器 3四驱控制器

1D16937400801		8.810.2022AB-1		备用保险	20A	15A	10A
		10A 491: 点火线圈 493: 无		15A 主继电器 (汽油车用)			
	10A 车载电源 (当有该配置)		10A 制动灯	15A 前雨刮			
	10A 电动后视镜 (当有该配置)	ECU 汽油机: 10A 柴油机: 15A	10A 顶灯、门	10A 转向、仪			
	20A 点烟器收		20A 电动窗中控锁 (当有该配置)	表 15A 倒车灯			

注意：请使用指定规格的保险丝



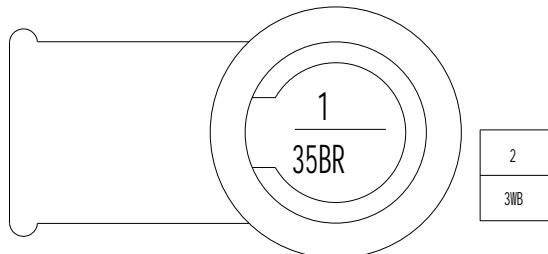
电源系统



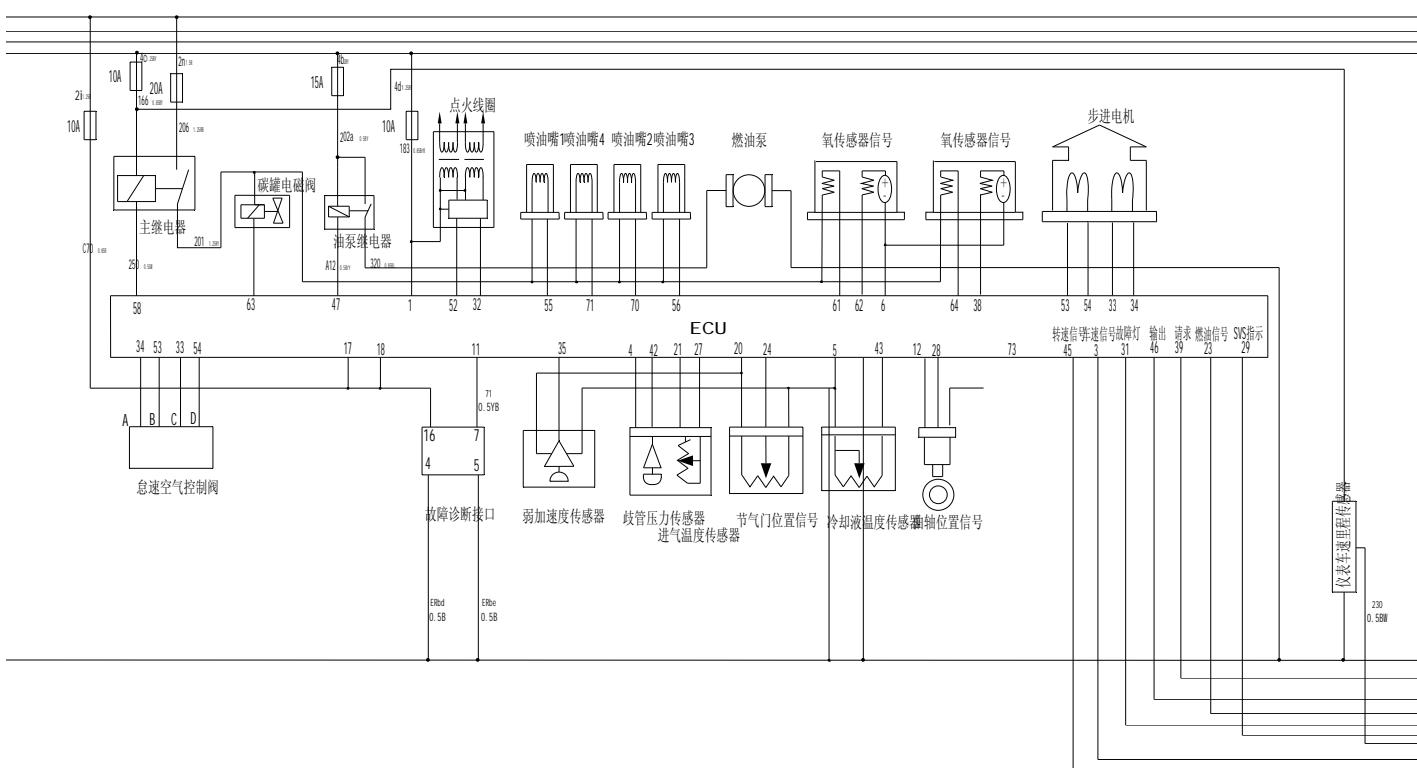
B = 黑
G = 绿
L = 蓝
O = 橙
P = 粉
R = 红
V = 紫
W = 白
Y = 黄
Br = 棕
Gr = 灰
Lg = 青

5		3	2
3L	NC	0.85BW	5R
4			
3BY	NC	NC	NC

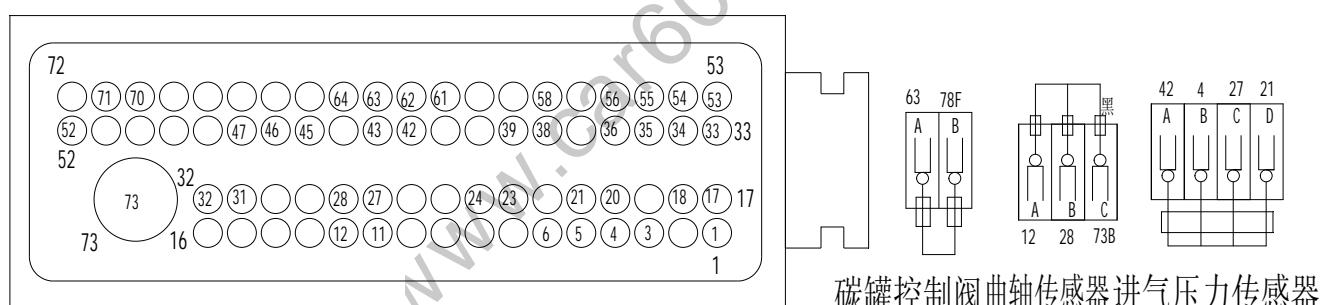
接点火开关



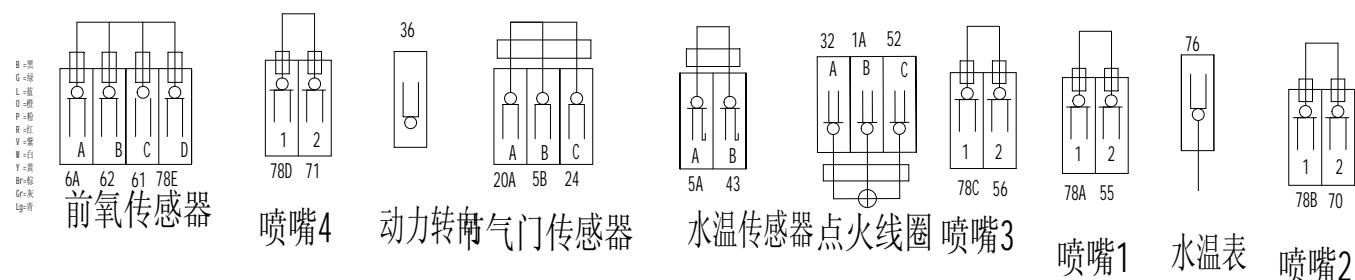
起动机电枢 起动机电磁开关



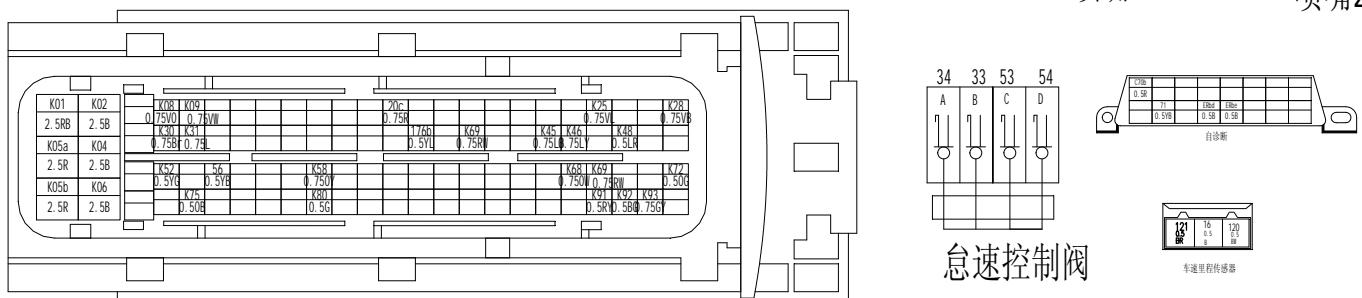
发动机电控系统



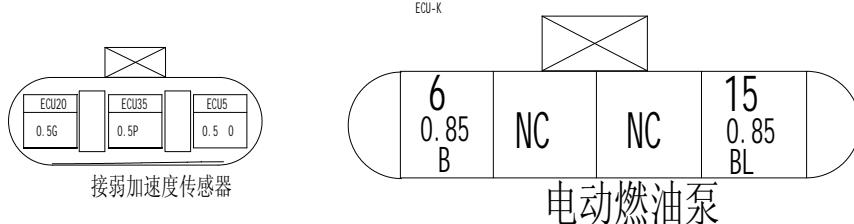
碳罐控制阀曲轴传感器进气压力传感器

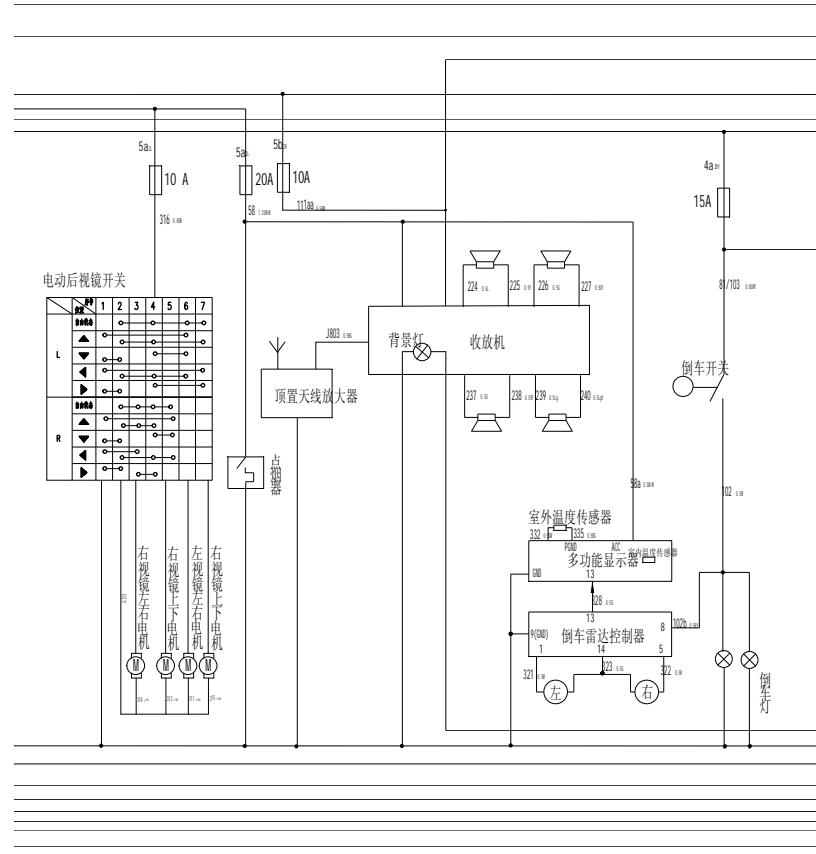


水温传感器点火线圈 喷嘴3 喷嘴1 水温表 喷嘴2



怠速控制阀





倒车、音响及电动后视镜

102a		322		321	
0.5W	NC	NC	0.5V	NC	NC
62g				328	323
0.5B	NC	NC	NC	0.50	0.5G

倒车雷达控制器

240	237	17zj	X	58c	224	226
0.5LgY	0.50	0.5GR	X	1.25BrW	0.5L	0.5G
239	238	62za	J803	111za	225	227
0.5Lg	0.50Y	1.25B	0.5RG	0.5RW	0.5Y	0.5GY



倒挡开关

收放机

313	X	X	62d
0.85B			0.5B
315	311	312	316
0.5WY	0.5YW	0.5BG	0.85W

8 0.5 GY	17 0.5 L	58b 1.25BrW 62zc 1.25B
9 0.5 G	18 0.5 Y	点烟器插头护套

右前门扬声器 左前门扬声器

电动后视镜插头护套

6
0.5BL
7
0.5Y

右后门扬声器

6
0.5BL
7
0.5Y

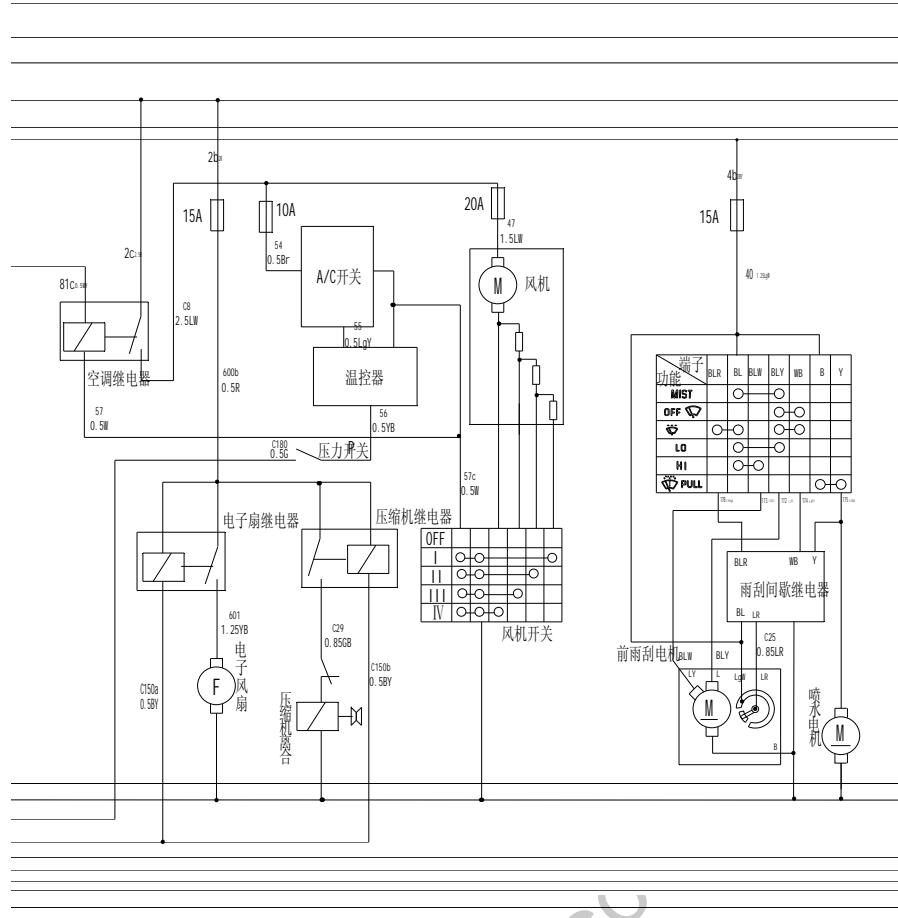
左后门扬声器

323 0.5 G	322 0.5 R
323 0.5 G	322 0.5 R

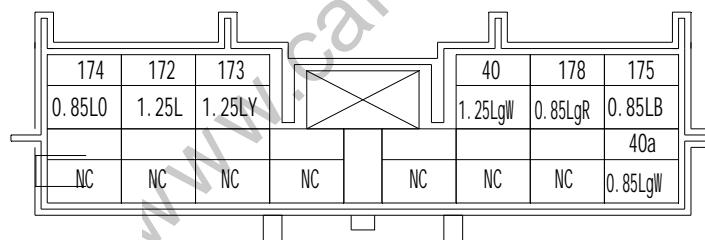
倒车雷达探测器(左) 倒车雷达探测器(右)

J803
0.5RG

顶置天线放大器



空调及雨刮、洗涤系统



接雨刮开关

53c	57	50
2B	0.5W	1.25L0
52	51	49
0.85LW	0.85LgB	2LR

接鼓风机开关

	51	49
NC	0.85LgB	2LR
48	52	50
2LB	0.85LW	1.25L0

接调速电阻

54a	A2		
0.5Br	0.5YL		
17zc	A4	53zd	
0.5GR	0.5YG	0.5B	

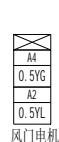
内外循环开关

17zb			
0.5GR			
53zb	55	54b	57a
0.5B	0.5LgY	0.5Br	0.5W

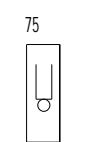
A/C开关

47	
2LW	
48	
2LB	

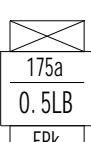
接鼓风机



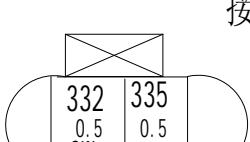
风门电机



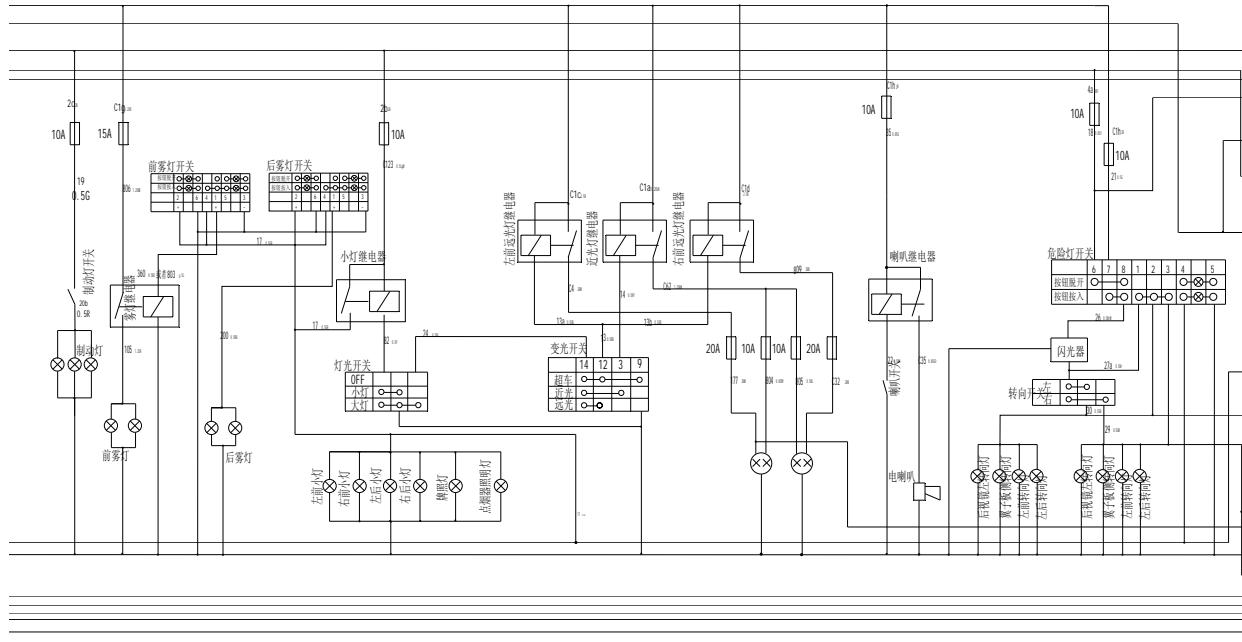
压缩机



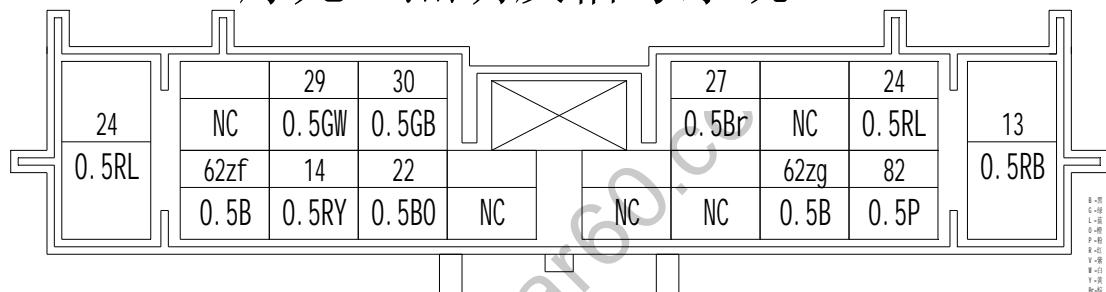
电子扇



室外温度传感器



灯光、照明及信号系统



	17e		53f	
NC	0.5GR		0.5GY	NC
30b	29b	26	21	27
0.5GB	0.5GW	0.5BrW	0.85G	0.5Br
				0.85Y

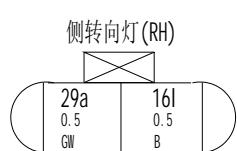
16h	35a
0.5B	0.85GO

30a	ELzb
0.5GB	0.5B

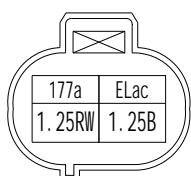
喇叭插座

20	0.5	R
62		
0.5		
B		

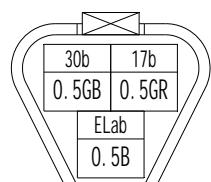
接危险报警灯开关



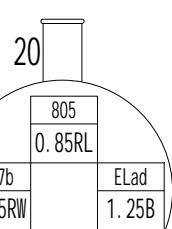
高位制动灯



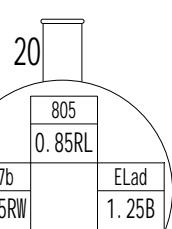
左远光灯



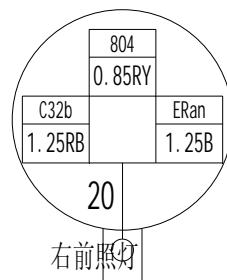
左组合灯



左前照灯



右远光灯



右前照灯

17zg 0.5GR		360b 0.5RG
53zi 0.5B		53zj 0.5B
17zh 0.5GR		53zj 0.5B

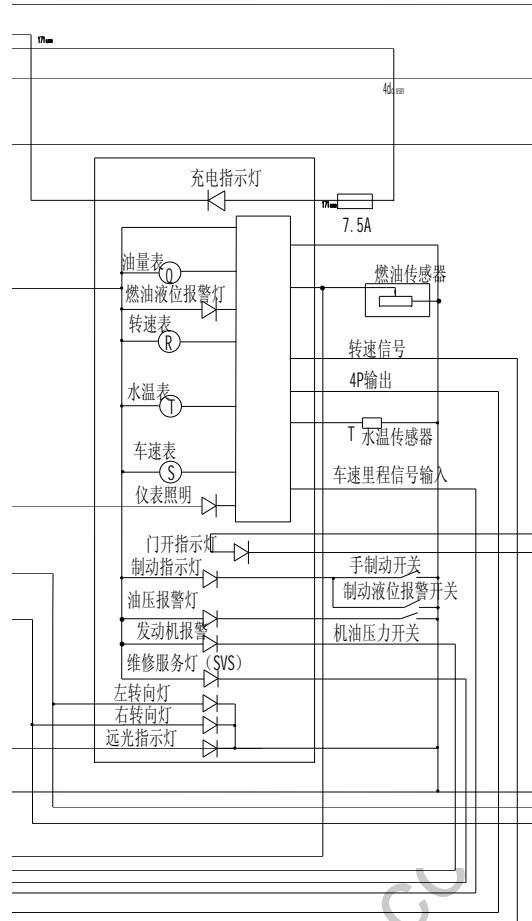
17zd 0.5GR		200 0.5RB
53zf 0.5B		17ze 0.5GR
		53zg 0.5B

前雾灯开关

后雾灯开关 (蓝)

29a 0.5GW	30a 0.5GB		27a 0.5Br
26 0.5BrW	21 0.5G		18 0.85Y
			53zh 0.5B
			17zf 0.5GR

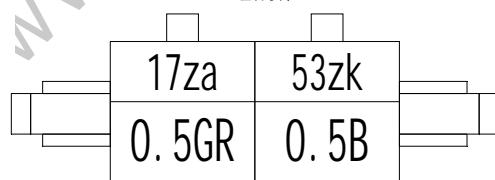
警示灯开关



组合仪表

	17	171	180	200b	181	172a		33b	179	182	230	18c		62ag	111ad
1	0.366	0.564	0.356	0.566	0.376	0.564		0.576	0.376	0.56	0.56	0.57		0.58	0.568
2	0.366	0.564	0.356	0.566	0.376	0.564		0.576	0.376	0.56	0.56	0.57		0.58	0.568
3	0.558	0.568	0.396		0.576	0.568		0.575	0.576	0.576	0.576	0.576		0.56	0.568

组合仪表



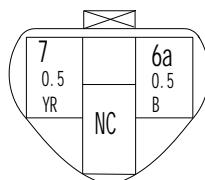
空调控制面板指示灯



压力开关插座

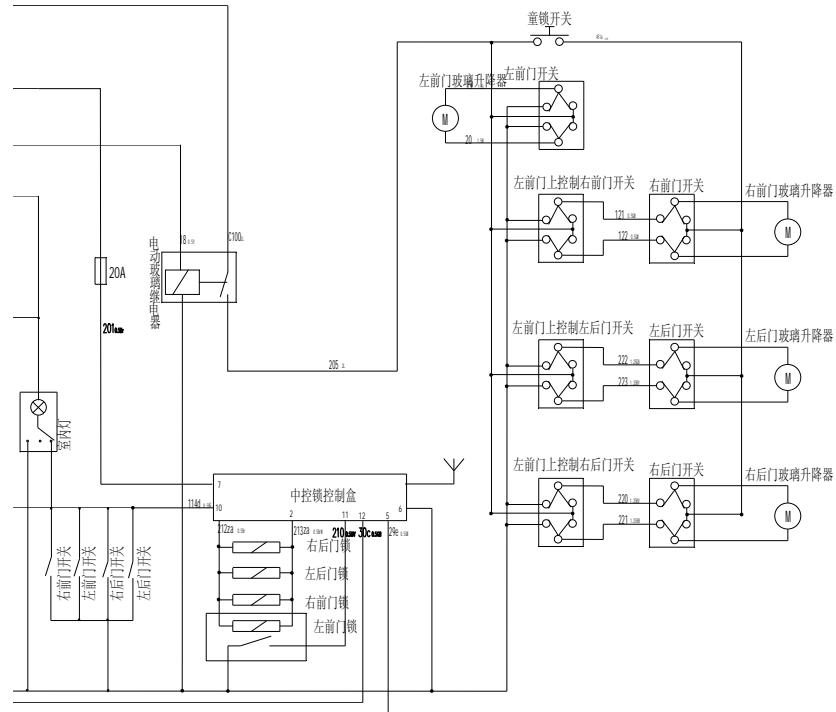


制动灯开关

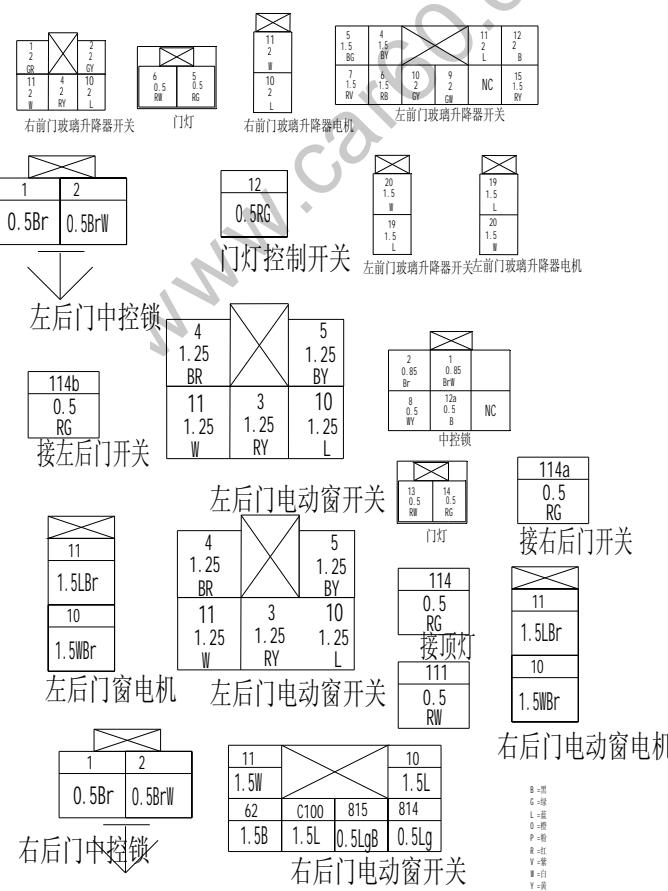


燃油传感器

B = 黑
 G = 绿
 L = 蓝
 O = 橙
 P = 粉
 R = 红
 V = 紫
 W = 白
 Y = 黄
 Br = 棕
 Gr = 灰
 Lg = 青



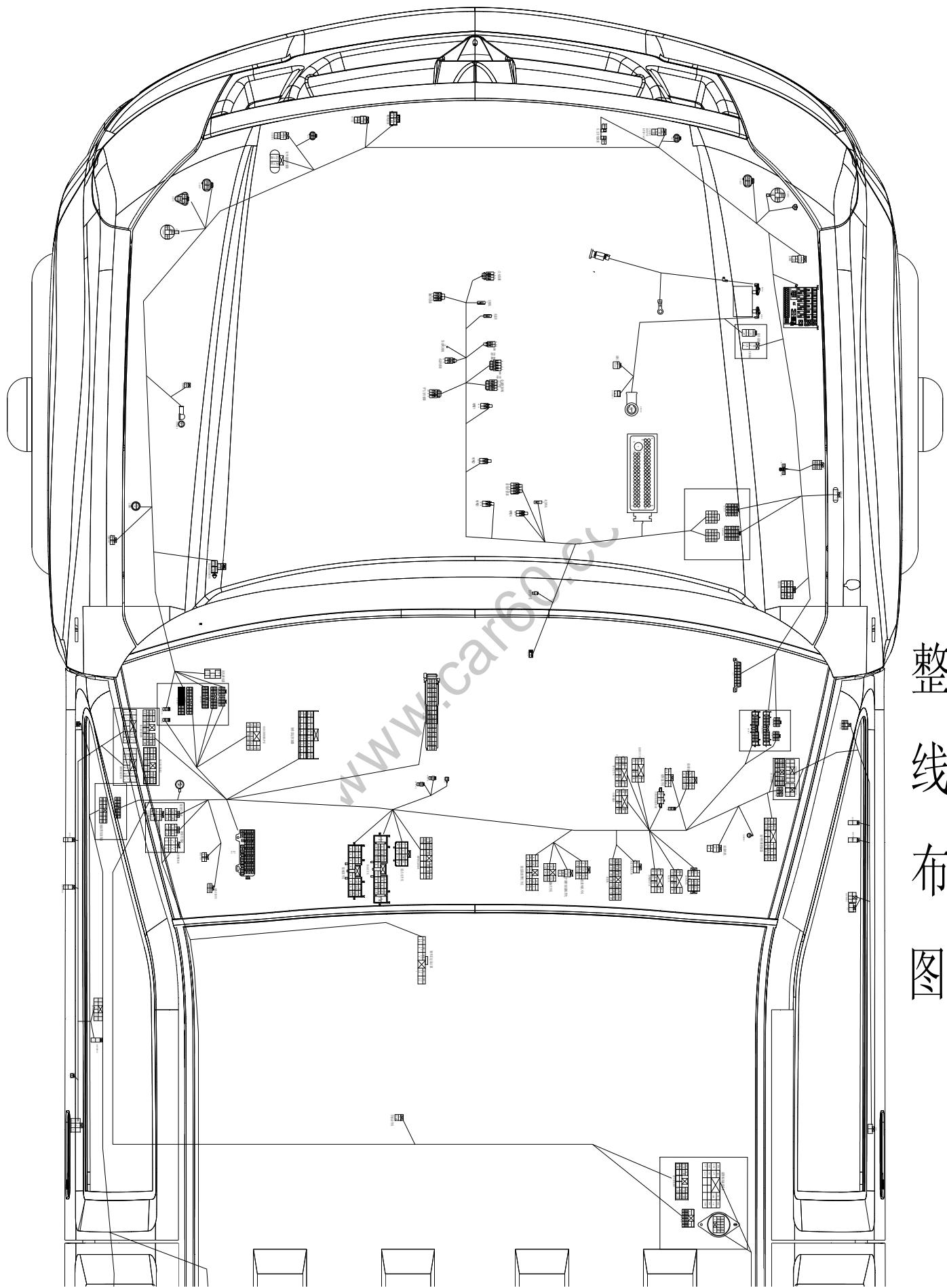
门灯、中控锁及电动窗



212	213				29d
0.85Br	0.85BrW			NC	NC 0.5GW
53a	201			114c	816 30d
0.85B	1.25R	NC	NC	0.5RG	0.5WY 0.5GB

接中控锁控制器

整车
线束
布置
图上



整车
线束
布置
图上

