

3、Chassis central electrical box底盘中央电器盒

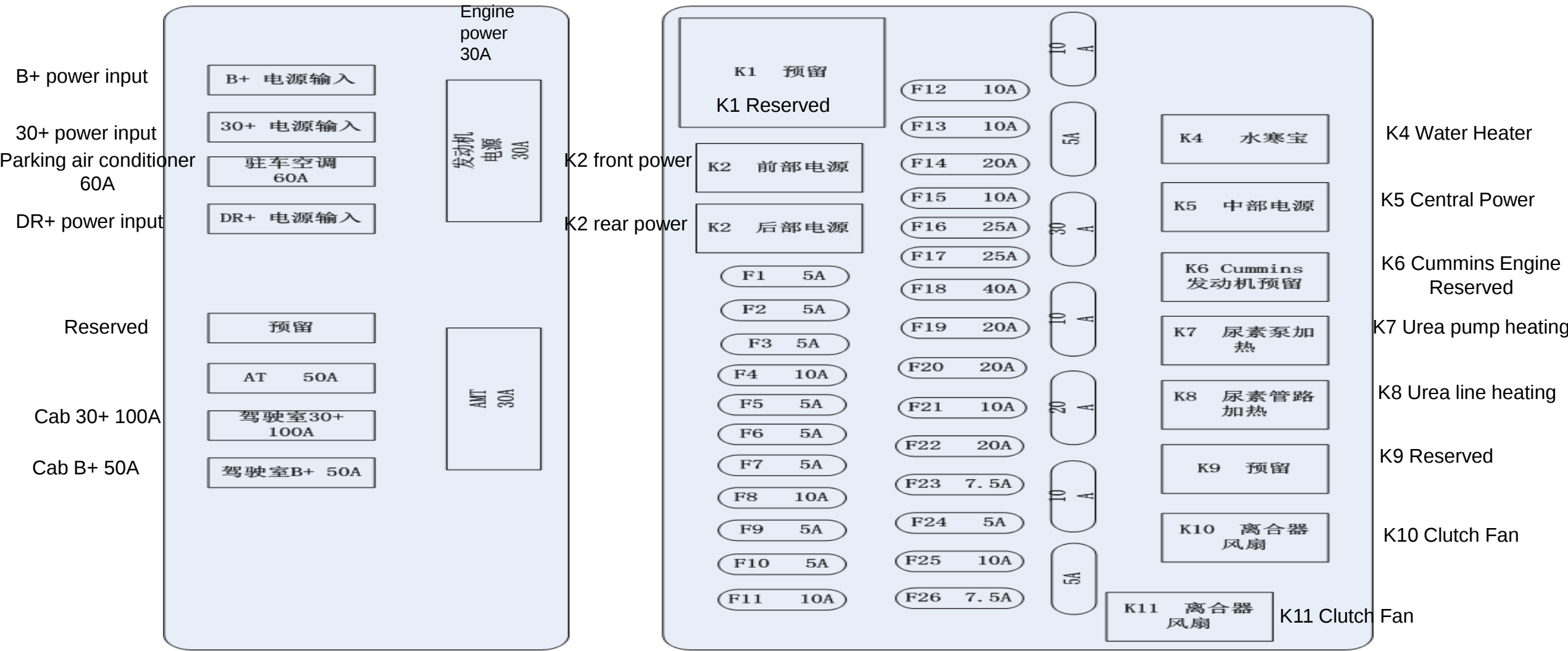
◆ Chassis central electrical box function introduction底盘中央电器盒功能介绍:

The chassis central electrical box contains plate fuse cavity and relay cavity, where the fuse is divided into slow fuse and fast fuse, carrying the role of vehicle power system distribution and circuit protection.

底盘中央电器盒包含板式保险腔和继电器腔体，其中保险分为慢融保险和快融保险，承载着车辆电源系统的分配和电路保护的作用。

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Chassis electrical box nameplate底盘电器盒铭牌:



3. Chassis central electrical box 3、底盘中央电器盒

◆ Chassis central electrical box function pin definition

◆ 底盘中央电器盒功能针脚定义：

针脚	定义	参考位置	规格	针脚	定义	参考位置	规格
/	B+	M8	/	E.1	离合器风扇线圈+	F25/K11	10A/20A
/	30+	M8	/	E.2	离合器风扇开关出		
/	DR+	M6	/	E.3	离合器风扇线圈-		
/	驻车空调	F101	60A	E.4	离合器风扇线圈+	F25/K10	10A/20A
/	预留	F103	/	E.5	离合器风扇开关出		
/	AT DR+电	F104	50A	E.6	离合器风扇线圈-		
/	驾驶室30+电	F105	100A	E.7	天然气火花塞	F23	7.5A
/	驾驶室B+电	F106	50A	E.8	预留	F22	20A
C.1	AMT DR+电	F108	30A	E.9	NOx传感器	F11	10A
C.2	电动翻转	F18	40A	E.10	尿素箱传感器	F10	5A
C.3	发动机B+电	F107	30A	E.11	预留	F9	5A
C.4	水寒宝	K4	20A	E.12	预留	F8	10A
A.1	前部电源继电器开关出	F14/K2	10A/20A	E.13	预留	F7	5A
A.4	前部电源继电器线圈+			E.14	发动机ECU DR+电	F6	5A
A.3	后部电源继电器开关出			E.15	D+电	/	/
A.2	后部电源继电器线圈+	F15/K3	10A/20A	E.16	NOx传感器	F5	10A
A.5	中部电源继电器开关出	F30/K5	10A/20A	D.11	主电源继电器线圈+	F31/K8	20A/20A
A.11	中部电源继电器线圈+			D.1	主电源继电器线圈-		
A.7	五合一30+电			D.10	主电源继电器开关出		
A.8	BMS B+电	F12	10A	D.8	尿素泵加热开关进	K6	20A
A.9	冷却 30+电	F27	10A	D.9	尿素泵加热线圈+		
A.12	BMS DR+电	F13	10A	D.6	尿素泵加热线圈-		
A.13	五合一DR+电	F1	5A	D.7	尿素泵加热开关出	K7	20A
A.14	冷却 DR+电	F2	5A	D.5	泵到尿素箱加热继电器开关进		
B.1	CCM控制器	F3	5A	D.2	泵到尿素箱加热继电器线圈-		
B.2	GND	F16	25A	D.3	泵到尿素箱加热继电器开关出	K9	20A
B.7	挂车ABS 30+电	/	/	D.15	尿素箱到泵加热继电器开关进		
B.8	预留	F17	25A	D.12	尿素箱到泵加热继电器线圈-		
B.9	油路加热	F19	10A	D.13	尿素箱到泵加热继电器开关出	K1	20A
B.10	挂车ABS DR+电	F20	20A	D.16	泵到喷嘴加热继电器开关进		
B.11	预留	F4	10A	D.14	泵到喷嘴加热继电器线圈+		
B.12	空气干燥器	F21	10A	D.18	泵到喷嘴加热继电器线圈-		
		F26	7.5A	D.17	泵到喷嘴加热继电器开关出		

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◆ 底盘中央电器盒功能针脚定义：

Pinning	Definition	Reference position	Specification		Pinning	Definition	Reference position	Specification
/	B+	M8	/		E.1	Clutch fan coil+	F25/K11	10A/20A
/	30+	M8	/		E.2	Clutch fan switch out		
/	DR+	M6	/		E.3	Clutch fan coil -		
/	Parking air conditioning	F101	60A		E.4	Clutch fan coil+	F25/K10	10A/20A
/	Reserved	F103	/		E.5	Clutch fan switch out		
/	AT DR+Electric	F104	50A		E.6	Clutch fan coil -		
/	Cab 30+ electric	F105	100A		E.7	Natural gas spark plugs	F23	7.5A
/	Cab B+Electric	F106	50A		E.8	Reserved	F22	20A
C.1	AMT DR+ Electric	F108	30A		E.9	NOx sensors	F11	10A
C.2	Electric flap	F18	40A		E.10	Urea tank sensors	F10	5A
C.3	Engine B+Electric	F107	30A		E.11	Reserved	F9	5A
C.4	Water Chiller	K4	20A		E.12	Reserved	F8	10A
A.1	Front power relay switch out	F14/K2	10A/20A		E.13	Reserved	F7	5A
A.4	Front power relay coil +				E.14	Engine ECU DR+Electric	F6	5A
A.3	Rear power relay switch out				F15/K3	10A/20A	E.15	D+ Electric
A.2	Rear power relay coil +	E.16	NOx sensors				F5	10A
A.5	Central power relay switch out	F30/K5	10A/20A				D.11	Main relay coil +
A.11	Central power relay coil +				D.1	Main relay coil -		
A.7	5-In-1 30+ Electric				F12	10A	D.10	Main relay switch out
A.8	BMS B+ Electric	F27	10A		D.8	Urea pump heating switch in	K6	20A
A.9	Cooling 30+ electric	F13	10A		D.9	Urea pump heating coil+		
A.12	BMS DR+Electric	F1	5A		D.6	Urea pump heating coil -		
A.13	5 In 1 DR + Electric	F2	5A		D.7	Urea pump heating switch out	K7	20A
A.14	Cooling DR+Electric	F3	5A	D.5	Pump to urea tank heating relay switch in			

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◆ Chassis central electrical box removal instructions 底盘中央电器盒拆卸说明

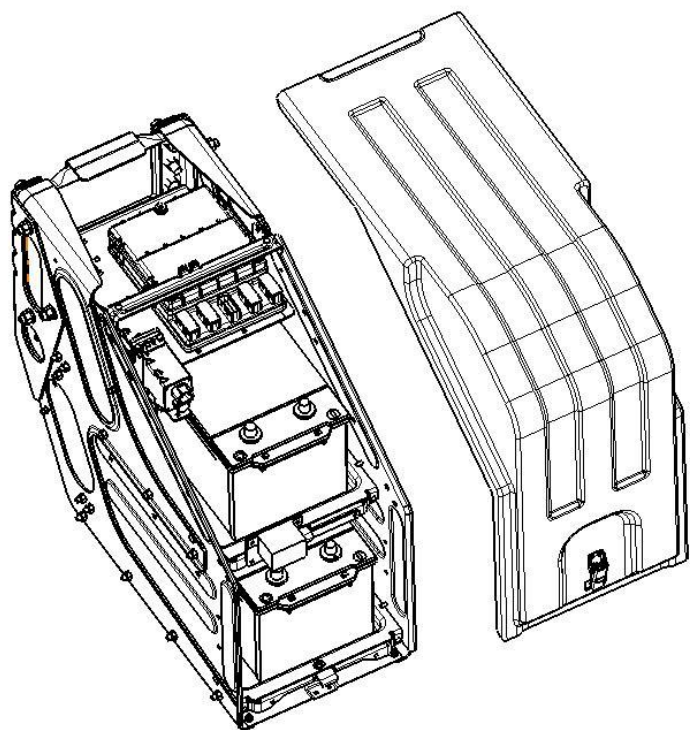


图1、Battery box assembly
蓄电池箱体总成

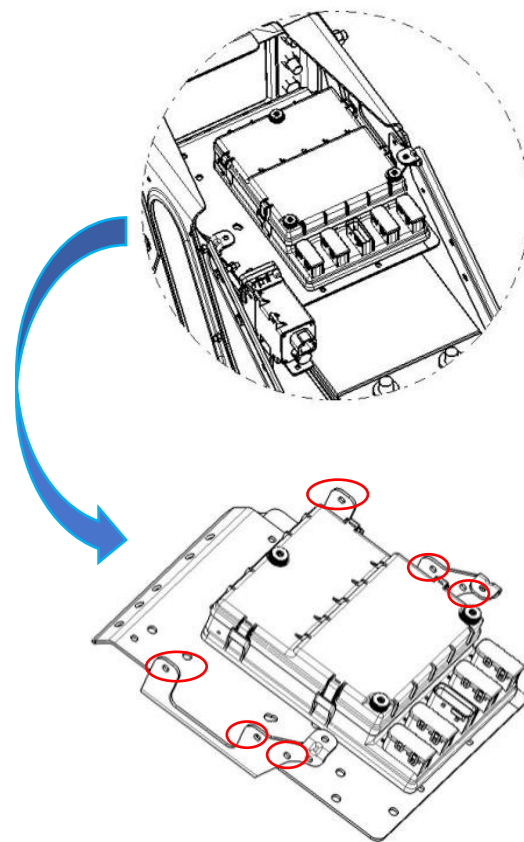


图2、Chassis electrical
box & bracket
底盘电器盒及支架

Step1: Removal of battery box cover, cross tie rod bracket
拆卸蓄电池箱盖、横拉杆支架

Step2: Open the cover of the chassis electrical box and remove Connect the relevant wiring harness on the electrical box.
打开底盘电器盒盒盖拆掉连接在电器盒上的相关线束

Step3: Dismantle the six bolts marked in Figure 2 in order bolts and nuts.
依次拆卸图2中标注的6颗螺栓及螺母

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◆ Chassis central electrical box removal cautions底盘中央电器盒拆卸注意事项

1.When installing the central electrical box of the chassis, make sure that the fixing bolts on the box cover of the electrical box are in place and that the seal and rubber flat gasket are not dislodged.安装底盘中央电器盒时，务必保证电器盒盒盖上的固定螺栓安装到位，密封圈和橡胶平垫无脱落现象。

2.During disassembly, attention should be paid to the battery pole protection. The pole should be wrapped with a rubber sheath to prevent latching and sparking during disassembly or installation.拆卸过程中，需注意蓄电池极柱防护，极柱应使用橡胶护套包裹，防止拆卸或安装过程中搭铁，冒电火花。

3.Plug disassembly should be pulled out of the card, pinch the upper end of the plug, pull out the plug upward, do not violently disassemble the plug damage.插接器拆卸时候应拔出卡子，捏住插接器上端，向上拔出插接器，切勿暴力拆卸导致插接器损坏。

4.Electrical box box cover fixing bolts fastening, should use a screwdriver to fasten, tighten manually after the completion of tightening, no loose phenomenon can be.电器盒盒盖固定螺栓紧固时，应使用螺丝刀进行紧固，紧固完毕后手动拧紧，无松动现象即可。