

HI-END CAR LOUDSPEAKER SYSTEM



CF240



CF250



CF269



C1900



CF260



C2000

Welcome you to purchase the Swans car loudspeaker systems. Swans writes this manual, in order to make it easy for you to install and operate. Please read this manual carefully and understand installing procedure and notice clearly before installation. According to different system types, you need adopt different installing methods.

Although this manual instructs the ways for installation, it has no any information about automobile dismantling or assembling! If you have no experience on this aspect, please do not install by yourself, you can consult an experienced automobile service center on this matter.

Please notice specially your automobile must be placed in flameout state!

By virtue of the aggression and innovation, HiVi has become the pursuing sign of the futuristic technologic theory. HiVi car audio products have always been trusted and concerned by the peers and customers.

HiVi has maintained its products in high-definition, low distortion, and other styles, whether the well-known D series of high-end products or the common loudspeaker systems with competitive prices. The maintained soul has fully reflected the comprehensive strengths of HiVi factories to producing, developing and researching. Faced with the complicated market competition, we continue to use technology in our products and add value to them continuously in order to meet the needs of our customers. Upholding the HI-END ideas of HiVi, with merit of the accurate sound, rounded tamber, wide sound field, along with no reservations about the details refection, can make you feel the real music.

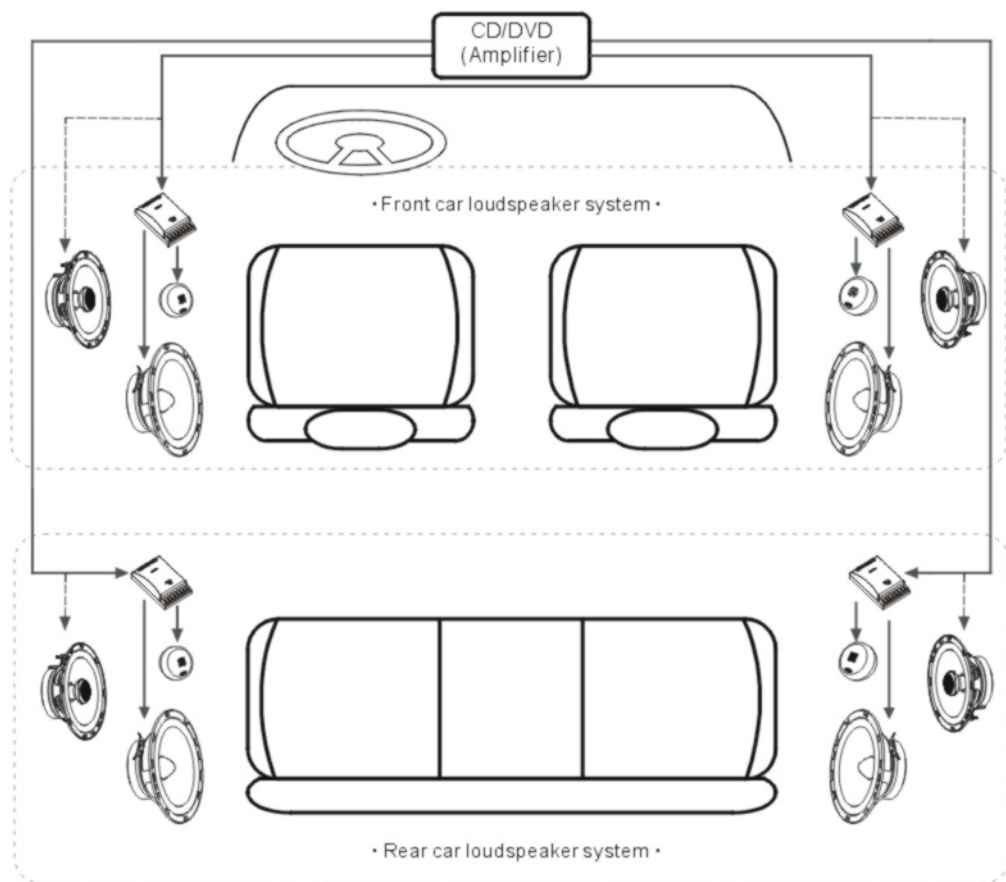
This series have 4 kinds of styles on Coaxial System, and 2 on Component System. All cones, the tweeter and woofer units, are used polypropylene material to be shaped. Owing the physical characteristics of polymers, it also adopts a high-loss of fatigue-resistant rubber surround, and the waterproof and moisture-proof design. Moreover, high-performance magnetic ferrite magnet circuit supply powerful drives force to the high sound pressure, which can give you full frequency and vigorous and stylish bass.

Tweeter units all employ high performance neodymium-iron-boron and three way magnet circuits, with high density of magnet flux, also the natural faric high damp silk membrane; these make broad and straight frequency, better definition, better transient response, exquisite and natural tamber. High-power low-mass CCAW voice coil with refrigerant Ferrosound liquid magnet, enhance endurance of the power!

Coaxial system with tweeter and woofer units as whole, strict configuration, this facility client's equipment, component system adopt independent crossover, accurately focus on the sound, natural fluent connection between tweeter and woofer. The tweeter unit can be circumrotated with 30 degree incline, which will make listener hear truly and perfect voice from special radiation area. Three different ways to equip, develop the facility of mounting whole hog, and can change the back and front ornament of tweeter as users' like!

Circuit diagram

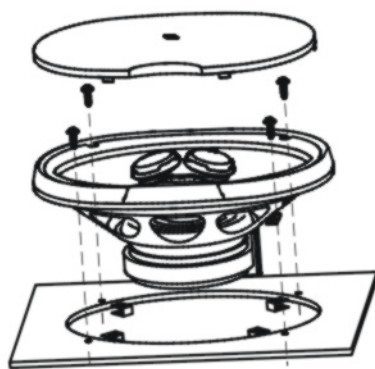
Please connect according to the following circuit diagram



The installation of woofer:

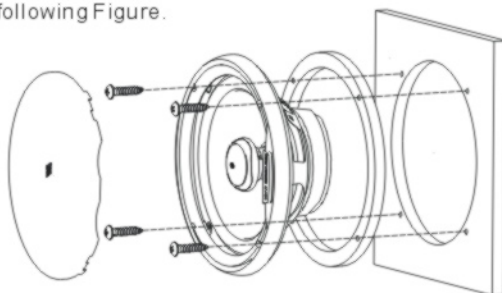
The first installing method (CF169):

1. Stick gasket to the installing position of driver if needed.
2. Chisel the driver bore and screw bores in the selected position according to the mould.
3. Install iron clamp at the position of installation bore.
4. Move off the net of decorative grille, the screw drills through the plastics circle of decorative grille, and lockup drivers through mounting hole of driver.
5. Set the net on drivers as following Figure.



The second installing method (CF160, CF150, CF140, C1000W, C900W):

1. Stick gasket to the setting place of driver if needed.
2. Move off the net of decorative grille, the screw drills through the plastics circle of decorative grille, and lockup drivers through mounting hole of driver.
3. Add a gasket to the installing position of drivers to increase the mounting depth while mounting depth is not enough.
4. Set the net on drivers as following Figure.

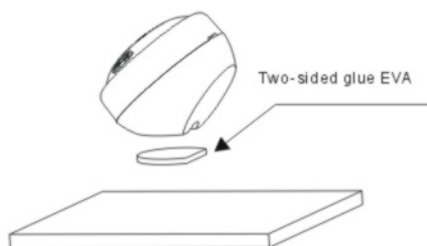


The installation of tweeter (CST225C):

The first installing method: If you do not want to change the structure of the original car, install tweeter in the front of instrument panel or on the side of car door. This kind of method is available.

1. Using semicircular two-sided glue EVA, wipe off a protection paper, then, stick it to the installing position of tweeter. (See figure)
2. Wipe off another protection paper of the same EVA, then, stick driver to the selected position.
3. Adjust the direction of drivers so that the sound performance reaches the best result.

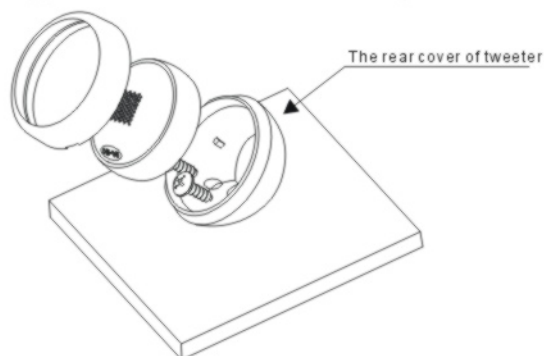
Notice: The advantage of this kind of installing method is that it won't change the structure of original car at all. While its disadvantage is it can't fix tweeter stably.



The second installing method: If you want to install tweeter in the front of instrument panel or on the side of car door stably, go like this way:

1. Firstly, open the front face of tweeter by screwdriver.
2. Cut screws through rear cover and mounting plate as below figure to fix the rear cover of tweeter to the selected position.
3. Pack drivers into inside rear cover, and press front grille tightly.
4. Adjust the direction of drivers so that the sound performance reaches the best result.

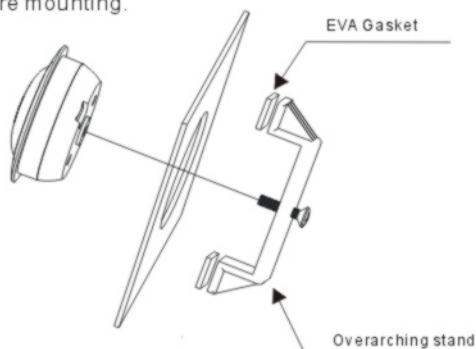
Notice: While adopting this kind of installing method, screws are needed to be put into the car, so confirm the installing position of tweeter before mounting.



The third install method: If need to install tweeter into the car door or other perdue position, the following method is available.

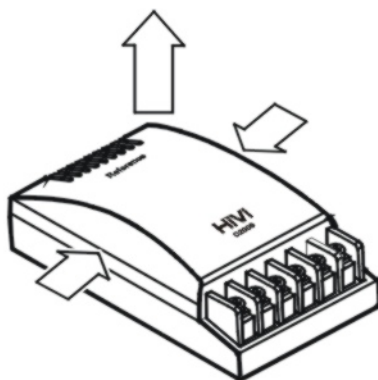
1. Cut a round hole (50mm) at the selected position.
2. Change the narrow surround of the front face of tweeter into wide surround front face, then, it will sink into the round hole.
3. At the back of mounting plate, cut screws through the vaulted mounting shelf of tweeter to fix drivers stably.
4. If the mounting plate is relatively thinner, you can stick a one-sided glue EVA(3mm) to the foot of mounting shelf.

Notice: This method also need to cut holes on the car, therefore, confirm the installing position of tweeter before mounting.

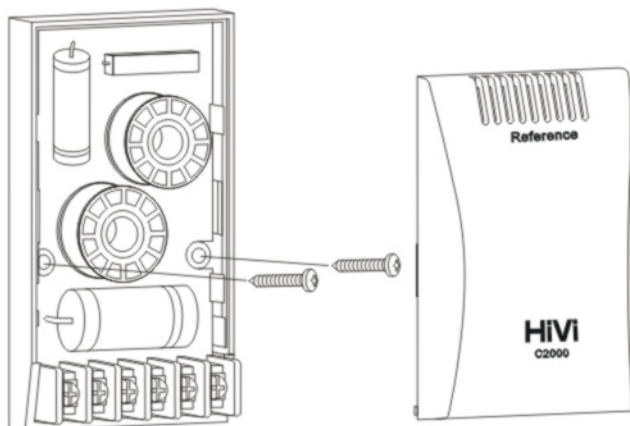


Installation of crossover

1. Open the enclosure of the crossover, and exert and press towards both sides, then raise it upwards.

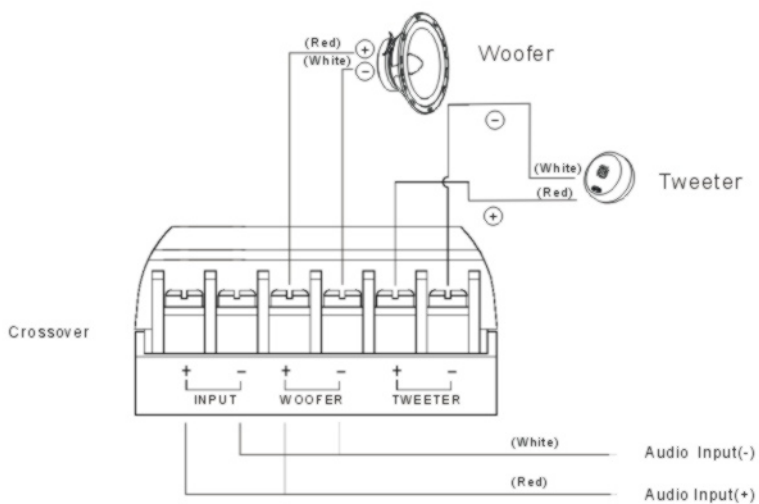


2. Install the crossover on the car door or other places.



Connection:

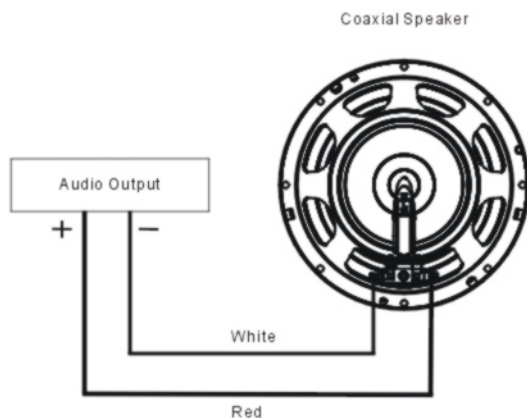
1. The connecting sketch map of crossover to tweeter, bass.



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2、 The connecting sketch map of Coaxial Speaker



Notice

- 1.Remove wire insulator (about 5mm).
- 2.Wrest wire core tightly.
- 3.In order to protect circuit, avoid not to cause short circuit between the anode (+) and cathode (-) cables of loudspeaker.



Specifications

Model	CF 240	CF 250	CF 260	CF 269
Diameter	4 " coaxial	5 1/4 " coaxial	6 1/2 " coaxial	6 " X9 " coaxial
Mid/woofer	4 " mid/woofer	5 1/4 " mid/woofer	6 1/2 " mid/woofer	6 " X9 " mid/woofer
Tweeter	3/4 " soft dome tweeter	3/4 " soft dome tweeter	3/4 " soft dome tweeter	3/4 " x2 soft dome tweeter
Sensitivity	90dB	91dB	92dB	92dB
Frequency response	85-23K	60-23K	45-23K	45-23K
Max power handling	90W	120W	150W	180W
Nominal power handling	30W	40W	50W	60W
Nominal impedance	4 ohms	4ohms	4 ohms	4ohms
Installation dimensions	Φ117	Φ138	Φ156.5	166.5x119.5
Cut Out size	Φ95	Φ116	Φ144	153x214
Mounting depth	>55	>62	>65	>81
Grille dimensions	Φ141.5x20	Φ158x22	Φ172.5x22	252x179x29

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Model	C1900	C2000
Driver complement	5 1/4 " + 1 " component system	6 1/2 " + 1 " component system
Mid/woofer	5 1/4 " mid/woofer	6 1/2 " mid/woofer
Tweeter	1 " soft dome tweeter	1 " soft dome tweeter
Sensitivity	90dB	90dB
Frequency response	60-23K	50-23K
Max power handling	120W	150W
Nominal power handling	40W	50W
Nominal impedance	4 Ω	4 Ω
Installation dimensions	Φ138	Φ156.5
Cut Out size	Φ116	Φ144
Mounting depth	>62	>65
Grille dimensions	Φ158x22	Φ172.5x22
Crossover point	2.6KHz	2.6KHz
High-pass attenuation slope	-12dB/Octave	-12dB/Octave
Low-pass attenuation slope	-12dB/Octave	-12dB/Octave

惠威车用扬声器系统

HI-END CAR LOUDSPEAKER SYSTEM



CF240



CF250



CF269



C1900



CF260



C2000

欢迎您选购惠威车用扬声器系统。为了便于您的安装及使用，我们编写本手册。请务必在安装之前，仔细阅读并清楚了解安装程序及注意事项。依据不同型号的扬声器系统，采用不同的安装方式。

虽然这本手册说明了安装的方式，但是对于汽车拆装并没有作说明。假如您没有此方面的经验，请不要自行安装，您可以去有经验的汽车服务处进行咨询。

请特别注意您的汽车处于熄火状态!

HiVi凭借不断进取与创新，已经成为未来科技理念追求标志。HiVi汽车音响产品深受同行、客户一贯的信赖和关注，每一次产品的面世，都保持HiVi所具有的高清晰度、低失真等风格，无论是叱咤风云的D系列高端产品，或者是价格相当诱惑的普通扬声器系统都是如此，这一灵魂的保持，充分体现HiVi工厂所具有的生产，研发等综合实力，面对纷繁复杂的市场竞争，我们不断在产品中运用科技手段，给产品不断增值，满足市场用户的需求，秉承惠威一贯的HI-END理念，声音准确、音色圆润、声场宽阔，加上毫无保留的细节重现，让您感受真正的音乐。

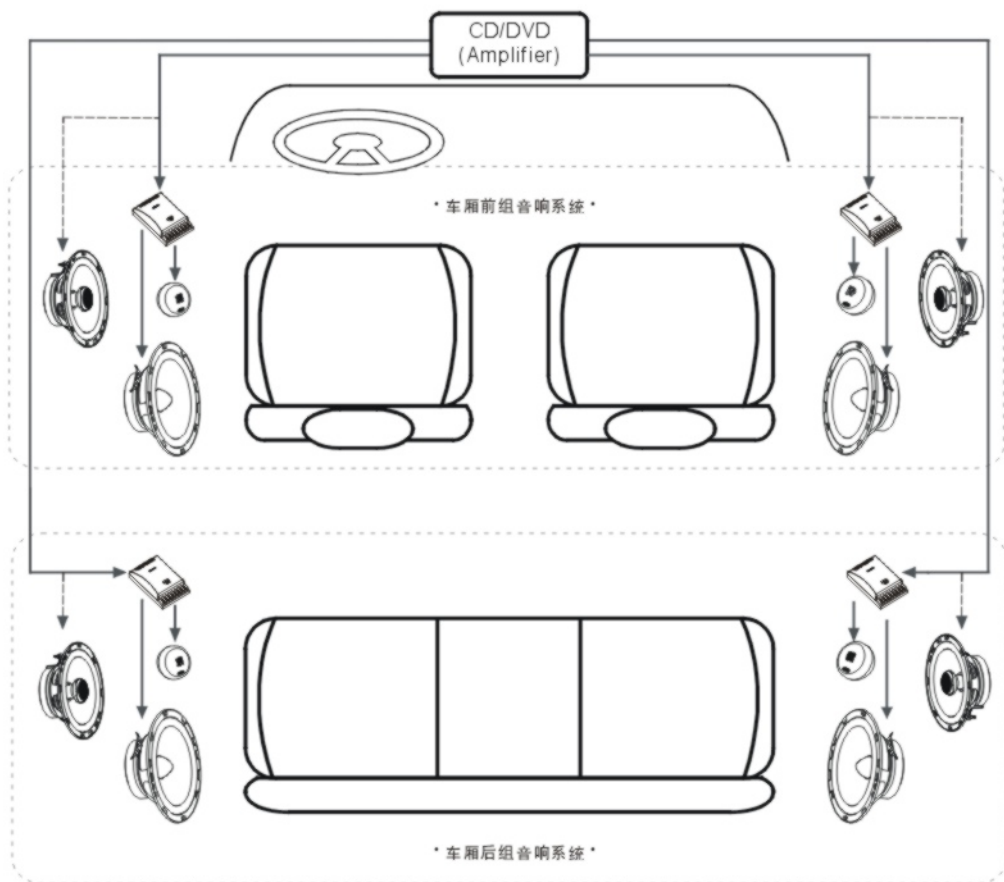
该系列共有4款Coaxial System及2款Component System。所有中低音单元的振盆均采用聚丙烯Polypropylene材质注射成型，她有着高分子聚合物的物理特性，还采用了高损耗耐疲劳橡胶折环，防水防潮设计，加上高性能铁氧体磁路为高声压输出提供了强大的动力，可以真实地重现清晰的全音频和浑厚的重低音。

高音单元均采用高性能钕铁硼三文治磁路，磁通密度高，天然纤维高阻尼丝质球顶振膜，频率响应宽广平直、清晰度高、瞬态响应好、音色细腻自然，大功率低质量CCAW音圈配以Ferrosound液磁冷却，极大提高了功率承受能力。

Coaxial system高低音单元一体化，结构紧凑，极大地方便了用户的安装，Component System采用独立的分音器，音像聚焦准确，高低音衔接平滑自然，其高音头可以做倾斜 30° 的全旋转，这个功能可以让听音者在其特定辐射区域内享受到最真实和完美的声音，还用了三种不同的安装方式，最大程度的扩展了安装的便利性，并且可以根据用户的喜好更换高音前后外饰。

一、线路图：

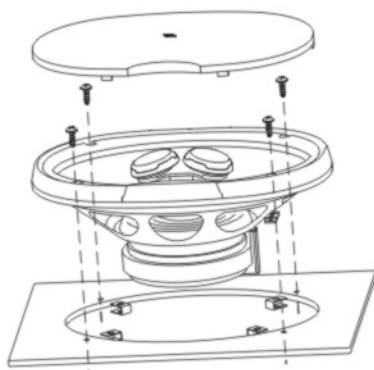
请按照以下线路图连接



二、低音喇叭安装:

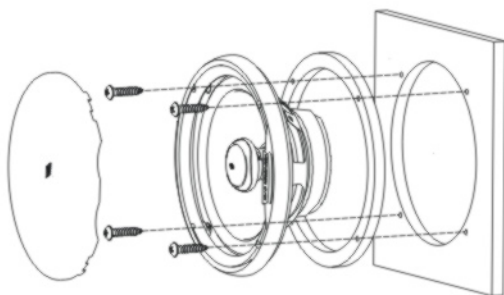
安装一(CF269) :

- 1、依实际需要将密封垫片粘于喇叭的安装位。
- 2、依开孔模板在选定的位置开喇叭孔及螺丝安装孔。
- 3、在安装孔位置安装铁夹。
- 4、将装饰网的网拆除，螺丝穿过装饰网塑料件及喇叭安装孔将喇叭锁紧。
- 5、将网按图示装于喇叭上。



安装二(CF260、CF250、CF240、 C2000W、C1900W) :

- 1、依实际需要将密封垫片粘于喇叭的安装位。
- 2、将装饰网的网拆除。螺丝穿过装饰网塑料件及喇叭安装孔将喇叭锁紧。
- 3、当安装深度不够时，可以在喇叭的安装位加一垫圈以增加安装深度。
- 4、将网按图示装于喇叭上。

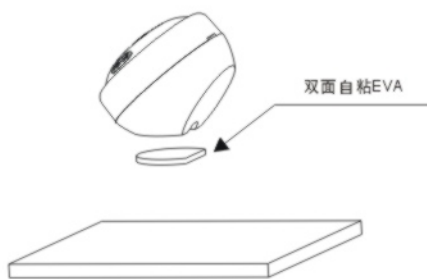


三、高音喇叭安装(CST225C)：

安装方式一：如不想改变车的结构，将高音安装在仪表盘前方或车门边，可以采用此种方式。

- 1、取半圆形双面自粘EVA，去除一面保护纸后将它粘在高音喇叭的安装位(如图)。
- 2、将自粘EVA的另一面保护纸去除，然后将喇叭粘在选定的位置。
- 3、调整喇叭方向，以便达到最佳的听音效果。

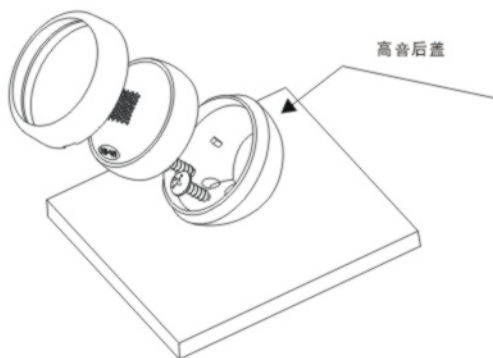
注：此种方式优点在于可以完全不对车进行改变；缺点是不能很牢固地固定高音。



安装方式二：要想牢固地将高音安装在仪表盘前方或车门边，可以采用此种安装方式：

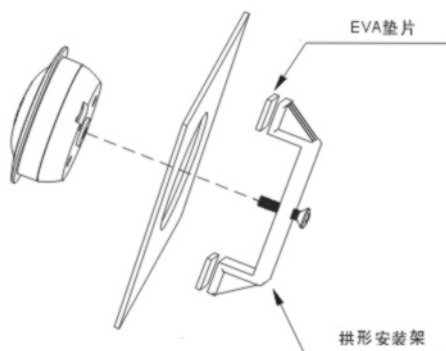
- 1、先用“一字”螺丝刀将高音喇叭的前盖打开。
- 2、按图示将安装螺丝穿过后盖、安装板，将高音喇叭的后盖锁紧在选取的位置。
- 3、将喇叭装入后盖内、压紧前盖。
- 4、调整喇叭的方向，以便达到最佳的听音效果。

注：此种方式需在车上锁螺钉，故在安装前须确定高音喇叭的安装位置。



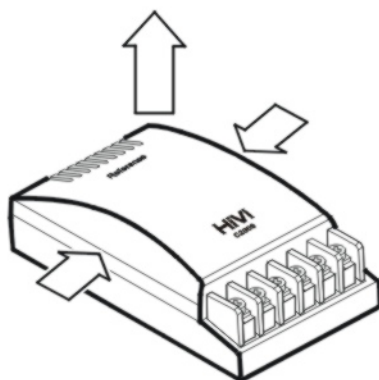
安装方式三：如果需将高音喇叭安装在车门或其它隐蔽的位置，可以采用此种方式。

- 1、在选定的位置开一约为50mm的圆形孔。
 - 2、将高音喇叭的窄边前盖换成宽边前盖后沉于圆形孔内。
 - 3、在安装板的背面将螺丝穿过拱形高音安装架锁紧喇叭。
 - 4、依实际情况，如果安装板比较薄，则可以先将3mm单面自粘性EVA粘于安装架的脚位。
- 注：此种安装方式也需要在车上打孔，故在安装前须确定高音喇叭的安装位置。

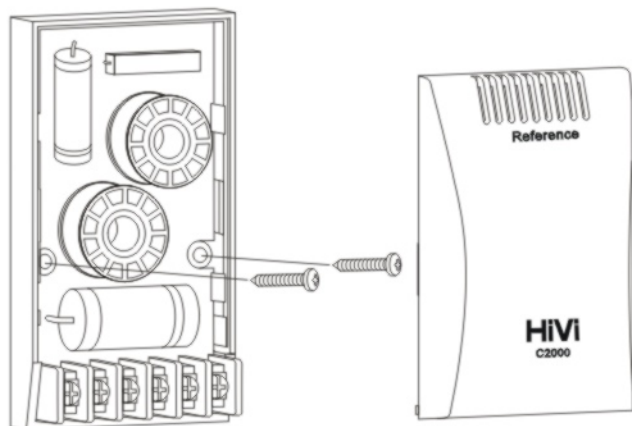


四、分音器安装：

- 1、将分音器外罩打开，用力向两边按入，然后向上提起。

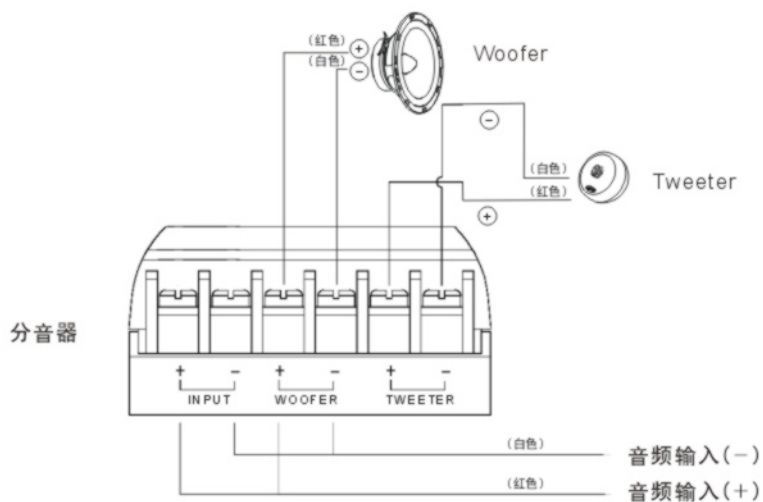


2、将分频器安装在车门内或其它位置

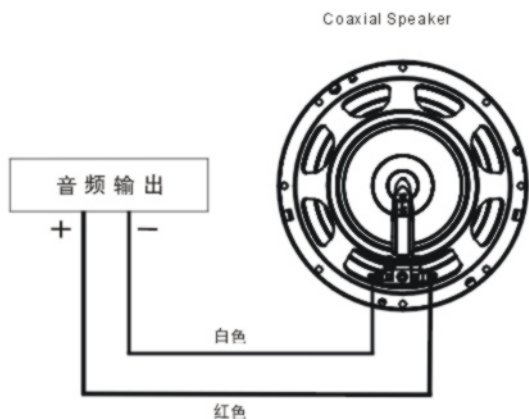


五、接线：

1、分频器与高音、低音连接示意图



2、Coaxial Speaker 接线示意图



六、安装注意事项：

1. 剥除约5mm的电线绝缘体。
2. 将电线线芯紧紧扭绞一起。
3. 为防止损坏电路，切勿让正极(+)和负极(-)扬声器缆线发生短路。



规格

型 号	CF240	CF250	CF260	CF269
口 径	4 " coaxial	5 1/4 " coaxial	6 1/2 " coaxial	6 " X9 " coaxial
中 低 音	4 " mid/woofer	5 1/4 " mid/woofer	6 1/2 " mid/woofer	6 " X9 " mid/woofer
高 音	3/4 " soft dome tweeter	3/4 " soft dome tweeter	3/4 " soft dome tweeter	3/4 " x2 soft dome tweeter
灵 敏 度	87dB	88dB	90dB	90dB
频率响应	85-23K	60-23K	45-23K	45-23K
最大功率	90W	120W	150W	180W
额定功率	30W	40W	50W	60W
额定阻抗	4ohms	4ohms	4ohms	4ohms
安装尺寸	Φ117	Φ138	Φ156.5	166.5x119.5
开孔尺寸	Φ95	Φ116	Φ144	153x214
安装深度	>55	>62	>65	>81
网罩尺寸	Φ141.5x20	Φ158x22	Φ172.5x22	252x179x29

hear different.

HiVi

型 号	C1900	C2000
系统组成	5 1/4 " +1 " component system	6 1/2 " +1 " component system
中 低 音	5 1/4 " mid/woofer	6 1/2 " mid/woofer
高 音	1 " soft dome tweeter	1 " soft dome tweeter
灵 敏 度	88dB	90dB
频率响应	60-23K	50-23K
最大功率	120W	150W
额定功率	40W	50W
额定阻抗	4 Ω	4 Ω
安装尺寸	Φ138	Φ156.5
开孔尺寸	Φ116	Φ144
安装深度	>62	>65
网罩尺寸	Φ158x22	Φ172.5x22
分 频 点	2.6KHz	2.6KHz
高通衰减斜率	-12dB/Octave	-12dB/Octave
低通衰减斜率	-12dB/Octave	-12dB/Octave