

WARRANTY

Phoenix Gold provides a limited warranty on all QX speakers (free of manufacturing defects in materials and/or workmanship) to the original consumer/purchaser for a period of twelve (12) months. We will cover parts and labor provided the product was purchased from an authorized Phoenix Gold retailer. This limited warranty is applicable to only the original consumer/purchaser and is not transferable.

QX speakers that are deemed defective during the warranty period will be repaired or replaced at the discretion of Phoenix Gold. Repaired or replaced product will be covered until the original warranty period expires. Phoenix Gold will not be responsible for any incidental or consequential damages that may result from a defect in the product. Select states may not allow the exclusion or limitation of incidental or consequential damages, so the prior limitations may not apply.

The above warranty does not apply to burned voice coils, burned or broken tinsel leads, damaged cones or any defect, malfunction or failure caused by misuse, abuse, faulty hookup, defective associated equipment or the use of the speakers with equipment for which they were not intended.

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PHOENIX GOLD®

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8100-0234A



FEATURES

- Developed by Phoenix Gold to set new standards in performance.
- True Poly cones are light in weight to provide damping and excellent transient response.
- Durable high-density foam surround is treated to resist moisture and environmental breakdown.
- Rigid stamped baskets to maintain precise alignment of assembly.
- Versatile mounting, magnetic fluid filled, 13mm pivoting Mylar dome tweeters.
- Standard mounting sizes and bolt patterns.



PHOENIX GOLD

QX COMPONENT SERIES

Congratulations on your purchase of a QX Component Speaker system. By purchasing Phoenix Gold you've demonstrated a desire to own the finest in audio reproduction. Phoenix Gold strives to provide you, the customer, with the finest car audio products possible.

QX COMPONENT FEATURES

UV treated, high density, Foam Surround:

This durable, long lasting material, damps unwanted energy from the cone. Extended resistance to breakdown in the harsh environment of car audio.

Deep pressed, Mica filled, Polypropylene mid/woofer cones:

This very stiff and rigid material composite has lower distortion and better detail than a standard poly or paper cone. Its lighter weight and high internal damping results in excellent transient response. Provides excellent resistance to the harsh environment of car audio.

Pivoting 13mm Mylar Dome Tweeter:

The Mylar dome and magnetic fluid filled gap results in unparalleled detail and accuracy. Versatile mounting options allow for mounting in different applications.

SPEAKER SPECIFICATIONS

	Power Handling (RMS/Max)	FR (Hz)	Ω	Sens	Mounting Depth*	Mounting Diam.
QX-130	75/150w	85-24k	4	90dB	2 3/8"	4 5/8"
QX-160	75/150w	60-24k	4	91dB	2 3/8"	5"
QX-165	75/150w	60-24k	4	91dB	2 3/8"	5 5/8"

** Specifications subject to change without notice.

Figure 2: Creating new speaker location

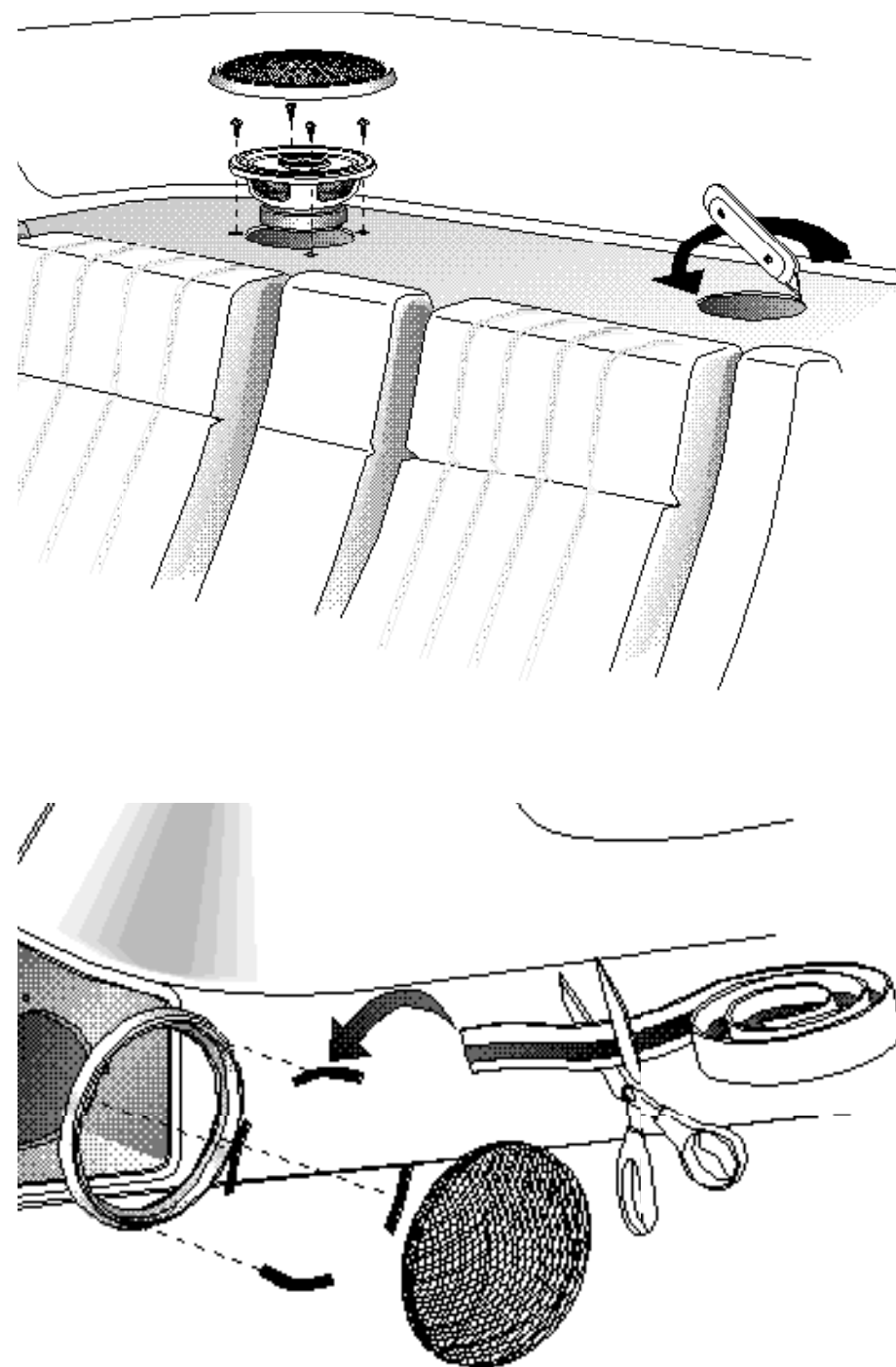


Figure 3: Gasket material used to secure grill

QX COMPONENT INSTALLATION

Selecting the placement of your QX speakers could be as easy as using existing factory locations or may require you to create new locations. Speaker placement in the door, dash or rear deck are the most common. Where you place your speakers will greatly affect the total sound quality of your vehicle's audio system. Often the best location is a compromise between the best overall performance and available mounting locations in the vehicle. For information on custom mounting locations please contact your local authorized Phoenix Gold dealer.

QX WOOFER INSTALLATION

1. Many vehicles already have factory locations (figure 1) to house the QX midrange driver. If no existing locations are available or are not used (figure 2), check the "desired" location for adequate cutout area and depth. Make sure to allow clearance for window tracks, structural braces, trunk lid springs, etc.
2. Assuming enough area and depth is available, use the provided template and trace the speaker cutout and mounting holes onto the surface of the mounting location.
3. If using the supplied grill, the trim ring must be mounted first with the woofer holding it in place. Then apply the supplied gasket material to secure the grill (figure 3).
4. If mounting surface is not structurally sound (i.e. plastic, cardboard) use the provided speed clips which will act as a nut for the supplied screws.
5. Always provide water protection. If not supplied in vehicle, we suggest using a rain shield or equivalent. If in doubt, please contact your local Phoenix Gold Dealer.

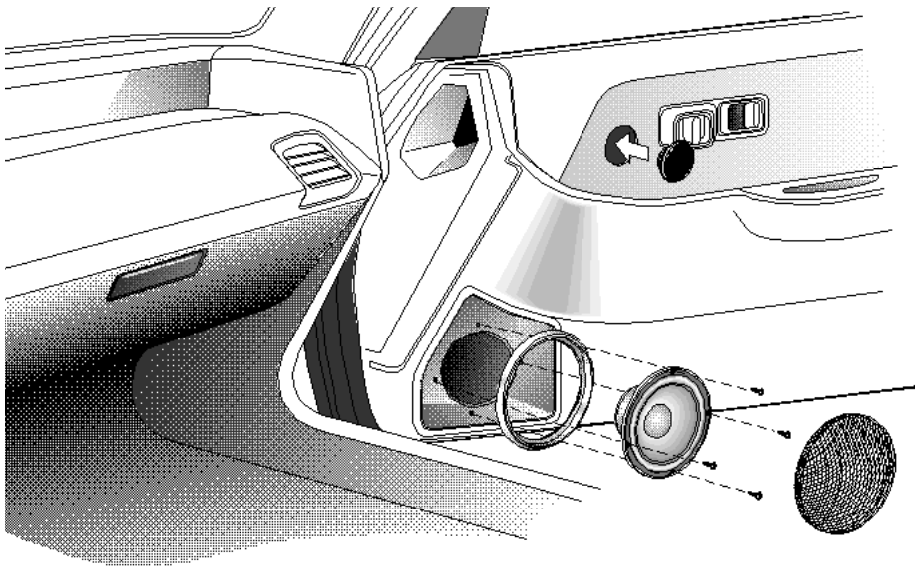
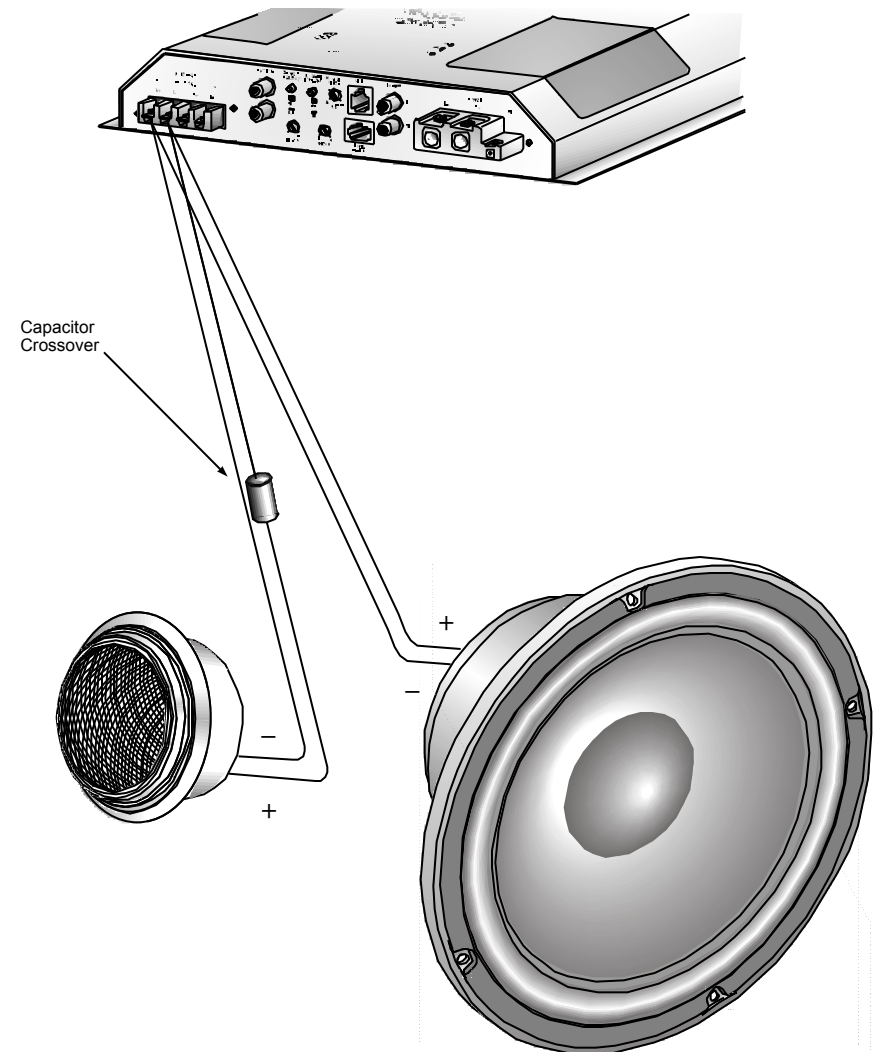


Figure 1: Factory speaker location

The crossover provided with the QX component set is optimized to give the most accurate in-car response. Use only the crossover provided; the use of any other crossover may result in damage to one or more of the QX series components. The QX Component Crossover harness can be run anywhere that is convenient.

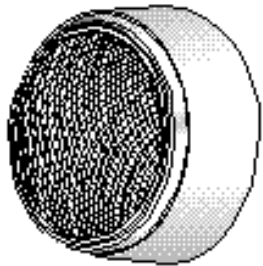


OX TWEETER INSTALLATION

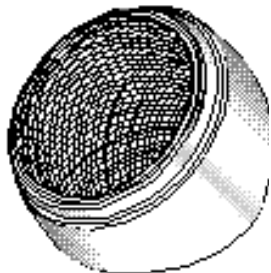
With a variety of supplied mounting options, the QX series tweeter is easy to install in any vehicle. Each QX component set comes with a flush mount, surface mount and angle mount installation kit. For other custom mounting configurations, please contact your authorized Phoenix Gold Dealer.



Flush Mount: For optimal tweeter installation, use the Flush Mount option. The Flush mount requires $\frac{3}{4}$ " depth and a $1\frac{1}{8}$ " mounting hole in the mounting surface.



Surface Mounting Options: Screws are provided when cutting a hole in the door panel or other mounting surface is not an option. Also, a double sided foam tape "donut" pad is provided for easy windshield or "no hole permissible" mounting. Make sure that the surface mount location is free of passenger movement that might damage the tweeter

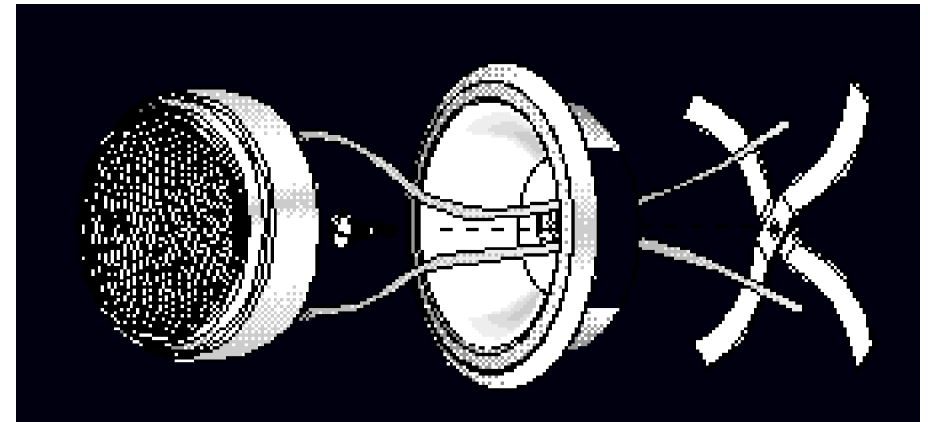


Angle Mount: The angle mount should be used when the mounting surface is pointed away from the listener. This can be useful in dash board or kick panel mounting situations. The foam "donut" can also be used here if space access hinders the use of tools.

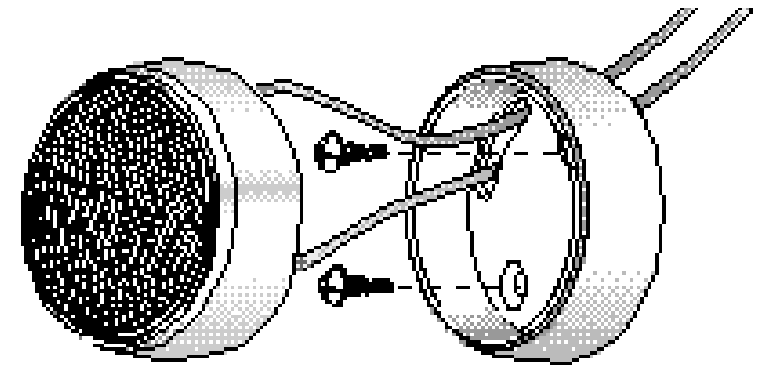
OX TWEETER PLACEMENT

For best results always try to maintain equal path lengths between the right and the left tweeter and the listening position. This is usually accomplished by mounting as low and deep as possible in a kick panel installation, or high and deep in a dash board installation. Be cautious in dash board installations not to reflect the tweeter off of the windshield. This increases reflections and can greatly diminish the overall system listening quality. The angle mount housing can help to "point" the tweeter at the listener. For door panel installations try to angle the tweeters toward the listener to minimize cross cancelation.

FLUSH MOUNT ASSEMBLY



SURFACE MOUNT ASSEMBLY



ANGLE MOUNT ASSEMBLY

