

## 1 YEAR LIMITED WARRANTY

Phoenix Gold warrants to the first purchaser of Tantrum Coaxials that they are to be free from defects in materials and workmanship. The sole obligation of Phoenix Gold under this limited warranty shall be to provide, without charge, the parts and labor necessary to remedy any manufacturing defects within a one year period from the date of purchase.

This warranty is the sole and exclusive express warranty given with respect to Tantrum Coaxials and all other express warranties are hereby excluded. Neither Phoenix Gold nor the authorized Phoenix Gold Retailer/Installer is responsible for indirect, incidental or consequential damages, so the above limitation may not apply to you.

The Phoenix Gold warranty does not cover burnt voice coils, burnt tinsel leads, damaged cones or any defect, malfunction or failure caused by misuse, abuse, accident, faulty hookup, defective associated equipment, or the use of the product with equipment for which it was not intended.

### CAUTION

Tantrum Coaxials are capable of extremely high SPL's. Prolonged exposure to these high SPL's can cause hearing loss. We want you to enjoy your Phoenix Gold speakers for a long time to come. So please use restraint on that Volume Control.



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# TANTRUM COAXIALS



**Congratulations on the purchase of this new Tantrum Coaxial loudspeaker 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.**

### TANTRUM COAXIAL FEATURES:

- Developed by Phoenix Gold from the ground up to set new standards in performance.
- 20mm and 25mm, Ferro-Fluid filled, Parachute Silk dome tweeters
- Mica Filled Black Poly Cone is precisely vacuum formed to be very light and rigid for excellent signal tracking
- Optimized magnet/motor structures result in high efficiency and clarity
- Advanced Butyl Surround is more rugged than foam and is extremely well damped
- Flat Linear Roll Spider reduces distortion and provides maximum voice coil centering
- Rigid Powder Coated Steel Frame
- Multi-terminals provided for optional Performance X-Over
- Standard Mounting Sizes and Bolt Patterns

## TANTRUM SPEAKER INSTALLATION

Selecting the placement of your new Tantrum Coaxial speakers could be as easy as using the existing factory locations or may require you to create a new location. Speaker placement in the door, dash, or rear deck is the most common. See your local Phoenix Gold Dealer for additional location and mounting assistance.

### DOORS /REAR DECK

1. Many vehicles already have factory locations (Figure 1.) to house the "DROP IN" feature of the Tantrum Coaxial line. If no existing locations are available or are not used (Figure 2.), check the desired location for adequate cutout area and any depth obstructions. Make sure to allow sufficient 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 the mounting surface is not structurally strong enough to accommodate screws, (i.e. plastic, cardboard) use the provided speed clips which will act as a nut for the supplied screws.
4. Always provide water protection if not supplied in the vehicle. We suggest using a rain shield or equivalent. If in doubt, please contact your Phoenix Gold Dealer.

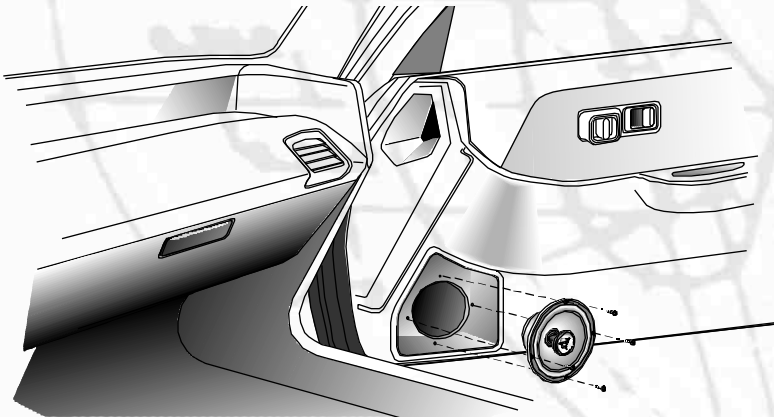


Figure 1 - Factory "Drop In" location in door.

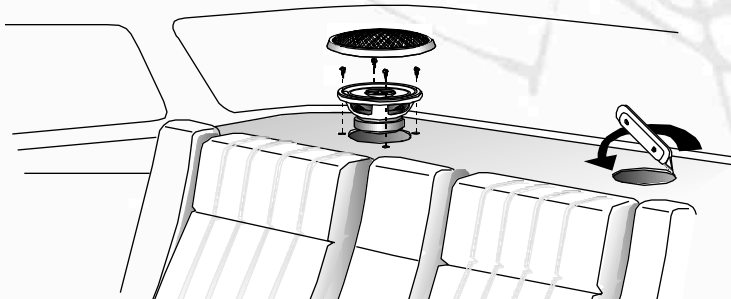


Figure 2 - Creating new speaker location in rear deck.

### DASH

1. Vehicles with dashboard speaker locations (Figure 3) typically will not require modification. Use extreme caution when removing the factory grills.

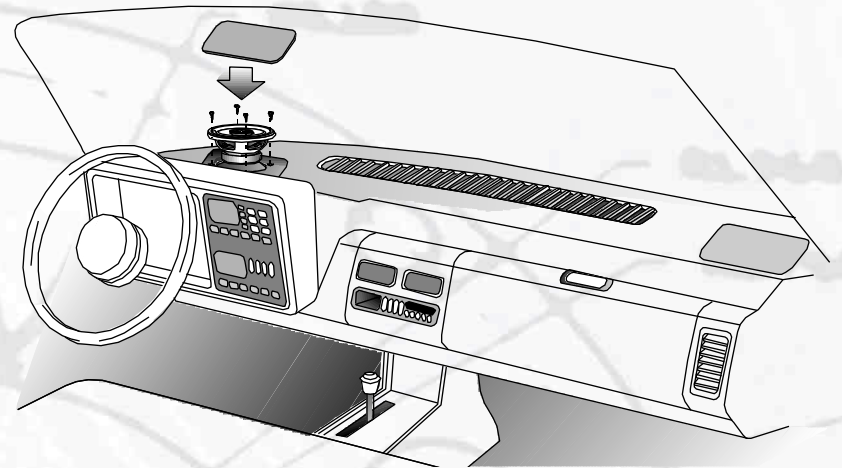


Figure 3 - Factory dash speaker location.

### TWEETER ADJUSTMENT

The Tantrum Coaxial series features several types of unique tweeters. A fixed "Coincident" type for the 3.0c, which is generally used as a replacement for dash mounted units. The 20mm fixed tweeters that are angled to allow the user to rotate the speakers during installation for optimum listening. Other models include the 20mm and 25mm pivoting tweeters for greater installation flexibility and coverage by aiming the high frequencies toward the listener. When mounted low in the door, angle the tweeter up for better off axis performance. In rear deck or dashboard installations, angle the tweeter away from the rear glass to reduce reflections.

### SPECIFICATIONS

MODEL	POWER HANDLING (RMS/PEAK)	FR (HZ)	IMPEDANCE (OHMS)	SENSITIVITY (DB)	MOUNTING DEPTH (INS.)	MOUNTING DIAM. (INS.)
3.0c	35/70	110-20K	4	87	1 5/8	3 1/8
4.0c	50/100	95-20K	4	88	2	4
5.0c	60/120	80-20K	4	90	2 3/8	4 1/2
6.0c	70/140	70-20K	4	91	2 1/2	5 1/8
6.5c	70/140	70-20K	4	91	2 5/8	5 5/8
46.0c	60/120	75-20K	4	90	2 1/4	3 1/2 x 5 5/8
57.0c	70/140	65-20K	4	91	2 3/8	5 x 7 1/8
69.0c	70/140	60-20K	4	91	3 1/4	6 x 8 5/8