



PHOENIXGOLD™

COAXIAL LOUDSPEAKER
OWNER'S MANUAL



FOR MODELS:

RSd3
RSd4
RSd5
RSd6
RSd6.5
RSd460
RSd570
RSd690



Congratulations on your purchase of high quality Phoenix Gold audio electronics. At Phoenix Gold our highest concern is musical reproduction. We appreciate that you chose our product. Through years of engineering expertise, hand craftsmanship and critical testing procedures, we have created a wide range of products to give your system all the clarity and richness you deserve.

Please read your warranty and retain your receipt and original carton for possible future use.

Great product and competent installations are only one piece of the puzzle when it comes to your system. Make sure that your install is using only the best installation accessories. Phoenix Gold manufactures everything from RCA cables and speaker wire to power/ground cable and battery connectors. With proper installation and accessories your system will sound the best that it can.

For more information about Phoenix Gold electronics, speakers and accessories please visit www.phoenixgold.com



WARRANTY

LIMITED WARRANTY ELECTRONICS (USA)

Phoenix Gold warrants this product to be free of defects in materials and workmanship for a period of one (1) year from the original date of purchase.

This warranty is not transferable and applies only to the original purchaser from an authorized Phoenix Gold dealer. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction, Phoenix Gold will (at its discretion), repair or replace the defective product

with new or remanufactured product at no charge. Damage caused by the following is not covered under warranty: accident, misuse, abuse, product modification or neglect, failure to follow installation instructions, unauthorized repair attempts, misrepresentations by the seller. This warranty does not cover incidental or consequential damages and does not cover the cost of removing or reinstalling the unit(s). Cosmetic damage due to accident or normal wear and tear is not covered under warranty.

IF YOU NEED SERVICE ON YOUR PHOENIX GOLD PRODUCT:

All warranty returns should be sent to Phoenix Gold's Product Service Facility freight-prepaid through an authorized Phoenix Gold dealer and must be accompanied by proof of purchase (a copy of the original sales receipt). Direct returns from consumers or non-authorized dealers will require a Return Authorization number from Phoenix Gold in advance of any shipment to the product service facility. Units returned to Phoenix Gold without an RA number may be subject to refusal or delays.

Warranty expiration on products returned without proof of purchase will be determined from the manufacturing date code. Coverage may be invalidated as this date is previous to purchase date. Non-defective items received will be returned freight-collect. Customer is responsible for shipping charges and insurance in sending the product to Phoenix Gold. Freight damage on returns is not covered under warranty.

FOR SERVICE INFORMATION IN THE U.S.A. PLEASE CALL:

Phoenix Gold customer service: (503) 286-9300
during normal business hours (8:30 AM – 5:00 PM Pacific Standard Time)

PHOENIX GOLD INTERNATIONAL, INC

9300 North Decatur St. Portland, OR 97203
(Do not send product for repair to this address)

INTERNATIONAL WARRANTIES:

Products purchased outside the United States of America are covered only by that country's distributor and not by Phoenix Gold International, Inc.

Use the following area provided to record the place and date of purchase.

Store Purchased from _____
Date of Purchase _____



BASIC INSTALLATION

Selecting the placement of your new RSd 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.

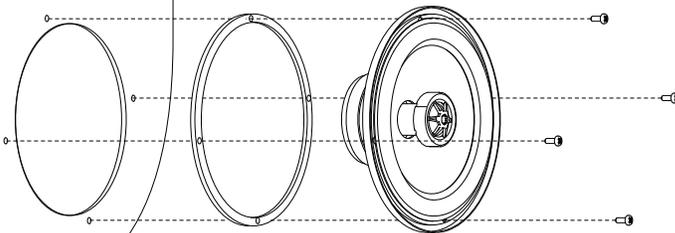
DOORS /REAR DECK

1. Many vehicles already have factory locations (Figure 1.) to house the "DROP IN" feature of the RSd Coaxial line. If no existing locations are available or are not used, 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.
Mounting the speaker in a factory location.



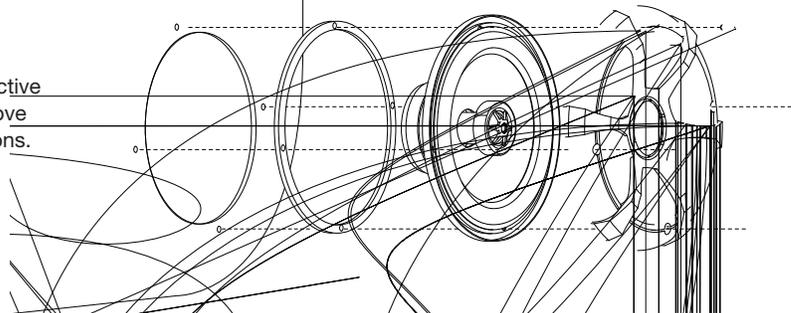
SPEAKER INSTALLATION WITHOUT GRILL

When installing your new coaxial speakers in the factory locations there may not be room enough to use the provided RSd grills. Don't worry, these speakers perform just as well behind the factory grill. Please make sure to use the foam mounting gasket as shown in figure 1. This will ensure an air tight seal for your RSd speakers.

SPEAKER INSTALLATION WITH GRILL

For more custom applications, or cases where the factory grill will not be used, a high excursion protective grill has been provided. Please read the section above on installation for concerns about custom installations.

Figure 2.
Mounting the speaker in a custom application using the RSd grill.





FEATURES:

PERFORMANCE DESIGN

Developed and CAE/CAD optimized by Phoenix Gold from the ground up to set new standards in performance.

INJECTION MOLDED ALUMINUM PLATED GRAINED POLYPROPYLENE CONE

Injection molded to be very light and rigid for excellent signal tracking.

BUTYL RUBBER SURROUND

Advanced butyl rubber surround is more rugged than foam, resists moisture and UV, and is extremely well damped.

FLAT LINEAR ROLL SPIDER (on select models)

Reduces distortion and provides maximum voice coil centering.

INTERWOVEN TINSEL LEADS

Tinsel leads woven directly into the spider provide added strength and reliability.

RIGID POWDER COATED STEEL FRAME

OPTIMIZED MAGNET/MOTOR STRUCTURE

Results in high efficiency and clarity of sound reproduction.

SPECIFICATIONS: Due to continual product improvement, all specifications subject to change without notice.

T/S Parameters	RSd3	RSd4	RSd5	RSd6	RSd6.5	RSd460	RSd570	RSd690
Re (Dcr)	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Fo (Hz)	109.5	104.2	91.5	84.3	65.7	109.7	77.1	60.8
Sd (SqM)	0.0037	0.0055	0.0088	0.0121	0.0133	0.0076	0.0154	0.0211
BL (TM)	2.704	3.258	4.081	4.093	4.925	3.835	4.235	5.299
SPLo (dB)	82.9	85.0	87.6	87.7	88.3	86.6	88.2	89.0
Qms	3.76	4.12	5.93	5.39	6.07	3.69	7.01	5.25
Qes	1.22	1.13	0.94	1.17	0.78	1.15	1.23	0.98
Qts	0.92	0.88	0.81	0.96	0.69	0.88	1.04	0.83
Vas (cu M)	0.00116	0.00201	0.00443	0.00718	0.0116	0.0025	0.0113	0.217
Cms (uM/N)	584.70	460.10	400.80	346.90	462.80	308.60	337.80	342.60
Mms (gms)	3.61	5.07	7.54	10.27	12.68	6.82	12.62	19.98
Power Handling (Minimum RMS/Peak)	5W/60W	5W/80W	5W/100W	5W/100W	5W/120W	5W/80W	5W/100W	5W/160W
VC (in)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Frequency Response (Hz)	100-10K	80-20K	70-20K	65-20K	65-20K	100-20K	65-20K	55-20K
Impedance (ohm)	4	4	4	4	4	4	4	4
Cut Out Dimension (mm)	80	93	115	125	142	144w x 89h	182w x 127h	217w x 154h
Mounting Depth (mm)	50	55	61	65	73	56	65	83