

SPECIFICATIONS

XENON SUBWOOFERS

	10d2/10d4	12d2/12d4
Mounting Depth.....	6 1/2 in.	6 7/8 in
Mounting Diameter .....	9 3/16 in.	11 1/4 in
Overall Diameter .....	11 1/16 in.	13 1/16 in
Peak Power Handling.....	800 Watts	900 Watts
RMS Power Handling.....	450 Watts	500 Watts

XENON X10d2

<i>T/S Parameters</i>	
Fs .....	26.78 Hz
Re .....	4.11 Ohms (Series)
Qms .....	6.62
Qes .....	0.76
Qts .....	0.68
Vas .....	21.44 liters
Mms .....	277.65 grams
Cms.....	127 uM/Newton
BL .....	15.90 Tesla-M
SPL (2.83v) .....	83 dB
Sd .....	346.4 sq cm
Xmax (measured) .....	40mm p-p
Vdd - Driver Displacement.....	0.122ft <sup>3</sup>

XENON X10d4

<i>T/S Parameters</i>	
Fs .....	29.21 Hz
Re .....	8.41 Ohms (Series)
Qms .....	7.51
Qes .....	0.80
Qts .....	0.73
Vas .....	20.61 liters
Mms .....	242.85 grams
Cms.....	122 uM/Newton
BL .....	21.61 Tesla-M
SPL (1W/1M).....	80 dB
Sd .....	346.4 sq cm
Xmax (measured) .....	40mm p-p
Vdd – Driver Displacement.....	0.122ft <sup>3</sup>

XENON X12d2

<i>T/S Parameters</i>	
Fs .....	25.50 Hz
Re .....	3.63 Ohms
Qms .....	7.16
Qes .....	0.67
Qts .....	0.62
Vas .....	43.86 liters
Mms .....	281.6 grams
Cms.....	138 uM/Newton
BL .....	15.58 Tesla-M
SPL (2.83v) .....	86 dB
Sd .....	475.3 sq cm
Xmax (measured) .....	.38mm p-p
Vdd - Driver Displacement.....	0.167ft <sup>3</sup>

XENON X12d4

<i>T/S Parameters</i>	
Fs .....	26.24 Hz
Re .....	8.13 Ohms (series)
Qms .....	8.40
Qes .....	0.67
Qts .....	0.62
Vas .....	47.27 liters
Mms .....	246.86 grams
Cms.....	149uM/Newton
BL .....	22.15 Tesla-M
SPL (2.83v) .....	83 dB
Sd .....	475.3 sq cm
Xmax (measured) .....	.38mm p-p
Vdd - Driver Displacement.....	0.167ft <sup>3</sup>

Due to ongoing to research, specifications are subject to change.

LIMITED WARRANTY

Phoenix Gold International, Inc. (or "Phoenix Gold") warrants its products against defects in materials and workmanship for a limited period of time. For a period of 90 days from date of original purchase, we will repair or replace the product, at our option, without charge for parts and labor. Customer must pay all parts and labor charges after the limited warranty period expires. The limited warranty period for factory refurbished products expires after ninety (90) days from date of original purchase. The warranty is extended to 2 years from date of purchase if installed by an authorized Phoenix Gold dealer. This limited warranty applies only to purchases from authorized Phoenix Gold Electronics/Speaker retailers.

This limited warranty is extended only to the original purchaser and is valid only to consumers in the United States. Consumers are required to provide a copy of the original sales invoice from an authorized Phoenix Gold dealer when making a claim against this limited warranty. This limited warranty only covers failures due to defects in materials or workmanship that occur during normal use. It does not cover failures resulting from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, service by anyone other than Phoenix Gold, or damage that is attributable to Acts of God. It does not cover costs of transportation to Phoenix Gold or damage in transit.

This warranty will become void if the serial number identification has been wholly or partially removed, altered or erased. Repair or replacement under the terms of this warranty does not extend the terms of this warranty. Should a product prove to be defective in workmanship or material, the consumer's sole remedies will be repair or replacement as provided under the terms of this warranty. Under no circumstances shall Phoenix Gold be liable for loss or damage, direct, consequential or incidental, arising out of the use of or inability to use the product. There are no express warranties other than described above.

CLEANING INFORMATION

Due to Phoenix Gold's extensive use of automotive grade rubber materials, we recommend detailing these rubber components just as you would any other parts of your car.

All rubber parts have been pretreated with Meguiar's brand rubber protectant. This ensures a rich, natural shine for your subwoofer. Over time if your woofer's rubber parts become dirty or loose some of their luster, simply reapply with Meguiar's rubber protectant. This complex formula includes cleaning agents that help remove dirt and grime and replenish that lush, like new look.

To apply, simply wipe the subwoofer's rubbers parts (boot, mounting gasket, etc) with Meguiar's rubber treatment. Then with a separate clean cloth buff the remaining treatment from the woofer until a lush, natural shine is present on the rubber parts. For a satin finish complete this cleaning process once, for a glossy finish repeat the process twice. Please be careful not to apply excessive pressure on the raised Xenon lettering on the mounting gasket.

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rev A 1/04



X E N O N

XENON 10 AND 12 INCH  
HIGH EXCURSION SUBWOOFERS

- Xe.drive™ magnetic flux regulation circuit - ultra low distortion
- Xe.linear™ suspension technology - true 34mm peak to peak excursion
- Xe.flex™ outrageous cosmetics, reliability, invertibility with reversible mounting gasket and computer optimized to work in most sealed and vented enclosures
- Computer optimized dual spider assembly
- Custom tooled spider spacer ring with integrated speaker terminal
- Dual 5mm blue superbrite LED's
- Cast aluminum basket
- 2.5 inch high temperature voice coil
- 8 piece injection molded polypropylene dust cap



The **Xenon** subwoofer was developed from the ground up to compliment the amazing performance of our **Xenon** Series amplifiers. Utilizing cutting edge design techniques, we can deliver a woofer that has an impressive peak to peak linear field excursion of up to 40mm. The injection-molded 8 piece dust cap in conjunction with the custom injection-molded polypropylene cone provides

exceptional musicality at very high drive levels. All of the motor (Xe. drive) and suspension (Xe.linear) parts have been computer optimized to provide symmetrical driving force in both directions. This translates into very low distortion and exceptional output even as your amplifier is running out of steam.

PHOENIX GOLD

The **Xenon** subwoofers are over-engineered and overbuilt in virtually every way conceivable. It's very important that the enclosure is built to these same exacting standards. The enclosure must be made of .75 inch MDF. Screws or air staples are excellent construction fasteners when used with a strong bonding “yellow” wood working glue that can fill joint gaps. Be sure that the enclosure panels are airtight at all joining seams. Lining the walls with a polyester matting 1 to 3 inches thick is sufficient.

Your PG dealer has extensive knowledge, tools and the experience needed for the design and construction necessary for your **Xenon**

subwoofer application. We also recommend you consult with your dealer for specific technical assistance related to your installation. The charts provided should be used as a reference when building an enclosure for your **Xenon** subwoofer.

The charts contain several enclosure types. The Musical enclosure provides deeper, tighter and higher quality output to provide a more accurate reproduction of the original source material. The SPL enclosure, on the other hand, fits the basshead's needs of maximum output while sacrificing some sound quality.

ENCLOSURE RECOMMENDATIONS

X 1 0 d 2 / X 1 0 d 4

Sealed	Vented			
<i>volume ft<sup>3</sup></i>	<i>volume ft<sup>3</sup></i>	<i>port diameter</i>	<i>port length</i>	
0.50	2.5	3"	7"	SPL
1.65	1.5	3"	11.25"	Musical

\*The above enclosures include the driver displacement.

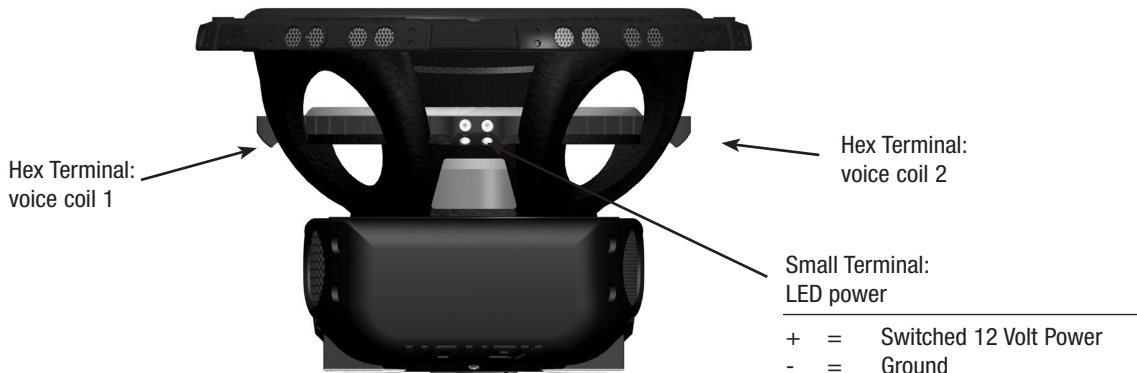
X 1 2 d 2 / X 1 2 d

Sealed	Vented			
<i>volume ft<sup>3</sup></i>	<i>volume ft<sup>3</sup></i>	<i>port diameter</i>	<i>port length</i>	
0.9	2.0	4"	9.5"	SPL
2.2	3.2	3"	11.2"	Musical

\*The above enclosures include the driver displacement.

WOOFER DIMENSIONS

	10d2/10d4	12d2/12d4
Mounting Depth	6 1/2 in	6 7/8 in
Mounting Diameter	9 3/16 in	11 1/4 in
Overall Diameter	11 1/16 in	13 1/16 in



PHOENIX GOLD