



...is all you need



40HM



SX 275

SX 352

SX 402

SX 462

SX 522

SX 652

SX 692

SX 693

SX STREET COAXIAL SPEAKER v.3

CONGRATULATIONS !

You now own an EXCURSION SX Series Coaxial Speaker of the already 3rd Generation of permanent improvements with passion till its smallest details. It is an product of an uncompromising design and german engineering philosophy of decades. A product made from Car Audio fanatics who truly believe in the relentless pursuit of perfection.

EXCURSION speakers are the result of several decades of product improvements, competition, innovation and highest quality parts and control standards in industry. When properly installed these speakers will provide you with many years of listening pleasure and are the perfect balance between high fidelity, extreme performance and long-lasting reliability.

Should your speaker ever need a service, Please record your information on the following lines to refer to in the event that you may need it later.

Dealer's Name _____

Date of Purchase _____

Installation Shop _____

Installation Date _____

At EXCURSION Intl. we are confident you will have many years of outstanding enjoyment from your high performance investment. For maximum performance we recommend that you have your new EXCURSION SX Speakers installed by an exclusive Authorized EXCURSION Dealer

To learn more about EXCURSION, please visit us on the World Wide Web at

<http://www.excursion.us>

CAUTION !

Continuous exposure to sound pressure levels in excess of 100dB can cause permanent hearing loss. EXCURSION Speakers are capable of producing sound pressure levels well over 170dB. Please observe all local sound ordinances while listening to your EXCURSION System. EXCURSION Intl. accepts no liability for hearing loss, bodily injury, or property damage due to the result of use or misuse of this product.

EXCURSION SX SPEAKER FEATURE

2-Layer Black Paper Cone, ADC Finish: The cone and its choice of material effect almost everything in regard to the Sound Quality of the speaker. Paper, one of the most natural materials, deliver with its less on weight an outstanding dynamic and authentic reproduction of the music signal. Along with the stiffening ADC (Active Dynamic Coating) of Cone it finish into the perfect formula for the best high efficient High End OEM Upgrade Replacement Design on the market. This set the benchmark for speakers up to 75 RMS / 225 Watt Music Power Handling.

DIN sized fully vented Steel Basket: The EXCURSION steel baskets are DIN sized for easy OEM Upgrade Replacement. Their symmetrical design together with the stamped EXCURSION logos ensure outstanding static, aerodynamic and stiffness. Coated with black antivibration colour the baskets are acoustical deaden to provide best results. We at EXCURSION took especially care of maximum cooling of voice coil. All baskets are symmetrical vented below the spider for maximum heat transfer, knowing that a cool voice coil is able to take more power and handle more power.

Voice Coils: The heart of EXCURSION Speakers are those very carefully designed Voice Coils. Using the finest material of pure copper which is precise winded on aluminium formers. Aluminium, one of the best heat-conducting materials and known for best stiffness and less weight, back up the long life of your investment.

Pure Silk, Soft Dome Tweeter: The outstanding performance of the EXCURSION Tweeters set the biggest difference to the competitors in the Car Audio market. Using the finest materials of Pure silk with perfect EXCURSION linearity, the EXCURSION Tweeters love to get compared with the leading audiophile's in the world. The low profile Tweeter design makes upgrading factory speakers as simple possible. (Note that SX-275 is full range)

Double Pressed Treated Rolled Foamed Surround: The high damping double rolled foam surround on these speakers ensure linear excursion throughout the entire frequency range. Resulting in more bass output, higher resolution of vocal mid section and higher efficiency while reducing unwanted distortion.

Pre-Installation Instructions:

It is recommended that you have your new EXCURSION SHX Subs professionally installed by your authorized EXCURSION dealer. This will ensure use of proper installation techniques & materials. If you choose to perform your own installation, the following instruction will give you direction making your purchase complete.

The factors for the port area are manifold and can not be reduced only to depend on the cone area of the woofer that is used. But at least it is a good advice not to go with less than $\frac{1}{7}$ of the cone area for ported and $\frac{1}{4}$ for bandpass enclosures.

While you are building up and tuning your sub system you should use a trial-port. This should be longer than calculated or recommended. While tuning the system you can find the best sounding length by shortening the port in approx 2 cm steps. The final tuning in the car does not only result out of what you do with the port. Also the position of the port in the enclosure and surrounding areas and position in the trunk have notable impact. The load-through of rear seats are also uncalculable as well size and construction type of the car. This easy effect with different results.

Please do NOT use carpet or cloth within the port or inside the enclosure. It has bad effects on the air flow. It is recommended to round up the ends of the port and ensure a glossy surface where ever the air moves inside the enclosure or port. The moving air mass will speed up and thank you by producing less side noises.

You can also prevent the port itself from resonating. The techniques are the same as you know from building enclosures or damping doors. You can use energy absorbing material or you can raise the stiffness of the port by bracing.

To have your subwoofer system playing clear and accurate you must follow the idea of an acoustical "dead" workplace, with just the moving cone. First of all, the enclosure itself might be not rigid enough. In most cases you can raise the stiffness by implementing braces, that connect in best way four walls. Or at least stiff up the baffle against back-wall. You can build enclosures with wallthickness of many centimetres, but bracing will have same effect with less weight! Now, when your enclosure is stiff and rigid to save you against bomb attacks, you can put it in your trunk. Do not forget it is important to fix it in the trunk of your car.

For further direction consult an authorized EXCURSION installation specialist

If you are intending to use multiple subwoofers in your system, EXCURSION recommends having separate chambers for each subwoofer if the subwoofers will be operated by different amplified signals. This prevents possible cancellation.

WARNING: The use of silicone rubber to seal in a speaker will void the Warranty! If sealing is needed to the speaker gasket, use caulking cord or vinyl weather strip.

IMPORTANT: Never cut any metal that is an integral part of an automobile's safety or structural support system.

NOTE: EXCURSION strongly recommends that you operate the complete audio system at low volume before final installation of your SHX Series Subwoofers. This will allow a trial listening test to set maximum volume without distortion.

CAUTION: Make sure that all speaker wiring is fully protected from cutting or wear. Any short circuits developing as a result could severely damage the radio unit or amplifier. Make sure that all speaker wires easily reach the speaker terminals without stress on the wire or connectors.

PREPARING FOR INSTALLATION

Note: The tools listed below may be required for proper installation.

- * An electric drill with drill bits
- * Phillips-head and standard screwdrivers
- * Crimping tool and needle-nose pliers
- * Silicon sealant or closed cell weather-stripping
- * Metal file, Hole saw, Tin Snips, Wire strippers

INSTALLATION PRECAUTIONS

Note: Proceed only if you are a qualified installer otherwise let your dealer do it.

- * Always wear protective eyewear when using tools
- * Turn OFF all stereo and other electrical devices before you begin
- * Disconnect the (-) negative lead from your vehicle's battery.
- * Keep the speakers in the package until final installation.
- * Locate fuel lines, brake lines, oil lines, electrical cables when planning installation.
- * Check to see clearance behind the mounting surface before installing speakers.
- * When running speaker wires through sheet metal, be sure to use grommets to properly insulate the wires from metal edges.

SPECIFICATIONS FOR EXCURSION SX SERIES SPEAKERS

(Due to Constant Improvements, Specifications and Parameters are subject to change without notice)

Model	Size	Nominal Impedance	Frequency Response	Sensitivity 1W/1M	Magnet Size	Mounting Depth	Power RMS/Peak
SX-275	2.75"	4Ohm	115Hz-19KHz	90dB	3 oz.	32mm	30W/75W
SX-352	3.5"	4Ohm	75Hz-20KHz	85dB	4 oz.	39mm	35W/100W
SX-402	4"	4Ohm	65Hz-20KHz	86dB	8 oz.	48mm	40W/100W
SX-522	5.25"	4Ohm	60Hz-20KHz	87dB	8 oz.	51mm	50W/125W
SX-652	6.5"	4Ohm	55Hz-20KHz	88dB	10 oz.	57mm	60W/150W
SX-462	4x6"	4Ohm	65Hz-20KHz	86dB	8 oz.	50mm	40W/100W
SX-692	6x9"	4Ohm	50Hz-20KHz	90dB	12.5 oz.	65mm	60W/150W
SX-693	6x9"	4Ohm	45Hz-20KHz	90dB	20 oz.	80mm	75W/225W

Note: Grills are included at 6x9" models

EXCURSION LIMITED WARRANTY POLICY

EXCURSION Intl. offers limited warranty on EXCURSION products under normal use on the following terms:

EXCURSION Speakers are to be free of defects in material and workmanship for a period of one year.

This warranty applies only to EXCURSION products sold to consumers by Authorized EXCURSION Dealers in Germany. Products purchased by consumers from an EXCURSION dealer in another country are covered only by that country's Distributor and not by EXCURSION Intl.

This warranty covers only the original purchaser of EXCURSION product. In order to receive service, the purchaser must provide EXCURSION with the receipt stating the consumer name, dealer, product and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Excursion's discretion and will not be liable for incidental or consequential damages. EXCURSION will not warranty this product under the following situations:

- * **Speakers received with bent frames or water damages**
- * **Abuse such as holes in the cone, surround or ripped spider**
- * **Voice coil damage due to amplifier clipping or distortion**
- * **Product that has not been installed according to this owner manual**

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. No person is authorized to assume for EXCURSION any other liability in connection with the sale of this product.

Please call prior your authorized EXCURSION dealer the product got purchased. In case they are not accessible call 0961-416-0420 for EXCURSION Customer Service. You must obtain an RA# (Return Authorization Number) to return any product to EXCURSION Intl. The RA number must be prominently marked on the outside of the shipping carton or the delivery will be refused. Please pack your return carefully! We are not responsible for items damaged in shipping. Return the defective product along with a copy of the original dated retail sales receipt, plus 10,- EUR for handling and diagnostic evaluation to:

EXCURSION Intl. - A Division of CHPW
Attn: Returns (RA#)
Neustaedter Str. 20
D-92685 Floss / Germany



...is all you need

EXCURSION - A Division of CHPW

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