



...is all you need



SXE1002

SXE1004

SXE1202

SXE1204

SXE1502

SXE1504

SXEXCELLENCE OF BASTARDS **v.2**

CONGRATULATIONS !

You now own an EXCURSION SXE.v2 EXCELLENCE Subwoofer, a new T Generation product of an uncompromising design and german engineering philosophy. A product made from and for Car Audio fanatics who truly believe in the relentless pursuit of perfection. A product made for the single goal to be the ultimate Leader on the street who represent the super lightweight BASTARD in the EXCURSION world and wants to be seen as the Underdog in competition with his bigger brothers.

EXCURSION Subwoofers 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 SXE.v2 Subwoofer 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 SXE.v2 Subwoofer 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 SXE.v2 SUBWOOFER FEATURE

EXCELLENCE ... what is excellent in the T generation when new materials have moved all boundaries? Where, on the dark side of the TRANSFORMERS, one encounters set maximized price / performance limits, in the light of EXCELLENCE development, this T platform is brought to its final feasible technical limits. SXE in the small T chassis clearly takes its bigger brothers as its role model and this "super" lightweight Bastard makes it extremely good and sees itself as the still unknown underdog in the EXCURSION world.

So it is primarily the inner values which make this excellent difference and a knowing eye that exposes the wolf in sheep's clothing. Deep researched in the tuning box we have here with a purebred american aluminum round wire coil used which equal to 1/3 more winding height of 60mm meet XMAX parameters of the bigger brothers. Carefully wrapped on our proven ventilated aluminum former, we clearly save on sluggishly moving mass, but only with an additional spacer are these upper class values of the US machine at least in our 12 "EXCURSION T basket also practically possible.

Conceptual reserves of the centering are here in duplicate with reinforced linear NOMEX centering available and perfectly locked with multiple screwed rings in blood red design. Accents that repeat in the seams of the oversized high-density surrounds and lettering. Now in the version.2 with visible seams which reduces the EXCELLENT face of the inverse dust cap and thus visually with more depth and area receives the ventilated intermediate chamber to the pulp cone. Important for the popular Fat sound character of this famous sandwich construction.

Of course you can find all known further EXCURSION standards but at SXE we finally go with a 350oz Dual Stack engine structure to the final mechanical limit of the EXCURSION T basket. With the much longer pole plate and its oversized ventilation holes, SXE retains the charm of a revolver, but the black hammered paint not only visually enhances the caliber with which SXE wants to be charged is MAGNUM.

Our Terminals accept as standard up to 8GA power speaker cables, but are even designed for some optional Dual Hollywood ENERGETIC Terminals (HPST8) to step from 4x 8GA up to 8x 8GA INPUT. SXE.v2 continue truly a very long history of value and excellence according our all you need philosophy.

We are proud to have it done and able to serve with those Bastards for your trunk. Go with your Underdogs into your challenge and shake all the sleepy big boys up.

Pre-Installation Instructions:

It is recommended that you have your new EXCURSION SXE.v2 Sub 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 $1/7$ of the cone area for ported and $1/4$ 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 MXT 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.

SXE.v2 10-D2 SPECIFICATIONS

Overall Dimensions	264*199	mm
Nominal Power Handling	1200	W/RMS
Transient Power 10ms	3500	W/MAX
Sensitivity	90	SPLO
Frequency Response	46-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	11.5	kg
Electrical Data		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 1.8	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	12	mm
Max.Linear Excursion	24 / 48	mm
Voice Coil bobbin	Aluminium Black	.
Voice Coil Wire	CCAW	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	13.14	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.059
Mechanical Q Factor	Qms	6.0
Electrical Q Factor	Qes	0.67
Total Q Factor	Qts	0.6
Moving Mass	Mms	199.4
Eq.Cas Air Load(liters)	VAS	8.3
Resonant Frequency	Fs	46
Effective Piston Area	SD	314.1

NOTE:TS Measurement Connection: Series

Ported 10" SPL Box :

Internal Volume: 42.8 Liter
 VB nett Volume: 38,8 Liter
 Port Diameter: 2x 75mm
 Port Length: each 240mm
 F3: 41,5 Hz
 F3: 49,4 Hz

Ported 10" SQPL Box :

Internal Volume: 40 Liter
 VB nett Volume: 31,3 Liter
 Port Height: 38 mm
 Port Wide: 332 mm
 Port Length: 390 mm
 F3: 44,8 Hz - FB: 53 Hz

SXE.v2 10-D4 SPECIFICATIONS

Overall Dimensions	264*199	mm
Nominal Power Handling	1200	W/RMS
Transient Power 10ms	3500	W/MAX
Sensitivity	90	SPLO
Frequency Response	46-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	11.5	kg
Electrical Data		
Nominal Impedance	Dual 4	Ohm
DC Resistance	Dual 3.6	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	12	mm
Max.Linear Excursion	24 / 48	mm
Voice Coil bobbin	Aluminium Black	.
Voice Coil Wire	CCAW	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	9.13	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.046
Mechanical Q Factor	Qms	6.32
Electrical Q Factor	Qes	0.69
Total Q Factor	Qts	0.62
Moving Mass	Mms	204.03
Eq.Cas Air Load(liters)	VAS	9.13
Resonant Frequency	Fs	49
Effective Piston Area	SD	314.1

NOTE: TS Measurement Connection: Paralell

Ported 10" SPL Box :

Internal Volume: 42.8 Liter
 VB nett Volume: 38,8 Liter
 Port Diameter: 2x 75mm
 Port Length: each 240mm
 F3: 41,5 Hz
 F3: 49,4 Hz

Ported 10" SQPL Box :

Internal Volume: 40 Liter
 VB nett Volume: 31,3 Liter
 Port Height: 38 mm
 Port Wide: 332 mm
 Port Length: 390 mm
 F3: 44,8 Hz - FB: 53 Hz

SXE.v2 12-D2 SPECIFICATIONS

Overall Dimensions	317*231	mm
Nominal Power Handling	1200	W/RMS
Transient Power 10ms	3500	W/MAX
Sensitivity	91	SPLO
Frequency Response	43-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	12.0	kg
Electrical Data		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 1.8	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	12	mm
Max.Linear Excursion	24 / 48	mm
Voice Coil bobbin	Aluminium Black	.
Voice Coil Wire	CCAW	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	13.79	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.051
Mechanical Q Factor	Qms	6.41
Electrical Q Factor	Qes	0.75
Total Q Factor	Qts	0.66
Moving Mass	Mms	262.7
Eq.Cas Air Load(liters)	VAS	16.24
Resonant Frequency	Fs	43
Effective Piston Area	SD	471.4

NOTE:TS Measurement Connection: Series

Ported 12" SPL Box :

Internal Volume: 60 Liter
 VB nett Volume: 50 Liter
 Port Height: 250 mm
 Port Wide: 100 mm
 Port Length: 300 mm
 F3: 53 Hz - FB: 60 Hz

Ported 12" SQPL Box :

Internal Volume: 80 Liter
 VB nett Volume: 70 Liter
 Port Height: 250 mm
 Port Wide: 100 mm
 Port Length: 300 mm
 F3: 45 Hz - FB: 52 Hz

SXE.v2 12-D4 SPECIFICATIONS

Overall Dimensions	317*231	mm
Nominal Power Handling	1200	W/RMS
Transient Power 10ms	3500	W/MAX
Sensitivity	91	SPLO
Frequency Response	43-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	12.0	kg
Electrical Data		
Nominal Impedance	Dual 4	Ohm
DC Resistance	Dual 3.6	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	12	mm
Max.Linear Excursion	24 / 48	mm
Voice Coil bobbin	Aluminium Black	.
Voice Coil Wire	CCAW	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	8.75	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.054
Mechanical Q Factor	Qms	6.82
Electrical Q Factor	Qes	0.79
Total Q Factor	Qts	0.68
Moving Mass	Mms	239
Eq.Cas Air Load(liters)	VAS	17.08
Resonant Frequency	Fs	44
Effective Piston Area	SD	471.4

NOTE: TS Measurement Connection: Paralell

Ported 12" SPL Box :

Internal Volume: 60 Liter
 VB nett Volume: 50 Liter
 Port Height: 250 mm
 Port Wide: 100 mm
 Port Length: 300 mm
 F3: 53 Hz - FB: 60 Hz

Ported 12" SQPL Box :

Internal Volume: 80 Liter
 VB nett Volume: 70 Liter
 Port Height: 250 mm
 Port Wide: 100 mm
 Port Length: 300 mm
 F3: 45 Hz - FB: 52 Hz

SXE.v2 15-D2 SPECIFICATIONS

Overall Dimensions	391*248	mm
Nominal Power Handling	1200	W/RMS
Transient Power 10ms	3500	W/MAX
Sensitivity	92	SPLO
Frequency Response	38-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	13.5	kg
Electrical Data		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 1.8	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	12	mm
Max.Linear Excursion	24 / 48	mm
Voice Coil bobbin	Aluminium Black	.
Voice Coil Wire	CCAW	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	16.27	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.042
Mechanical Q Factor	Qms	6.6
Electrical Q Factor	Qes	0.8
Total Q Factor	Qts	0.7
Moving Mass	Mms	358.8
Eq.Cas Air Load(liters)	VAS	36.5
Resonant Frequency	Fs	38
Effective Piston Area	SD	779.3

NOTE:TS Measurement Connection: Series

Ported 15" SPL Box :

Internal Volume: 90 Liter
 VB nett Volume: 75 Liter
 Port Height: 300 mm
 Port Wide: 125 mm
 Port Length: 275 mm
 F3: 50 Hz - FB: 60 Hz

Ported 15" SQPL Box :

Internal Volume: 120 Liter
 VB nett Volume: 100 Liter
 Port Height: 300 mm
 Port Wide: 150 mm
 Port Length: 300 mm
 F3: 45 Hz - FB: 54 Hz

SXE.v2 15-D4 SPECIFICATIONS

Overall Dimensions	391*248	mm
Nominal Power Handling	1200	W/RMS
Transient Power 10ms	3500	W/MAX
Sensitivity	92	SPLO
Frequency Response	39-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	13.5	kg
Electrical Data		
Nominal Impedance	Dual 4	Ohm
DC Resistance	Dual 3.6	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	12	mm
Max.Linear Excursion	24 / 48	mm
Voice Coil bobbin	Aluminium Black	.
Voice Coil Wire	CCAW	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	9.69	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.047
Mechanical Q Factor	Qms	6.55
Electrical Q Factor	Qes	0.82
Total Q Factor	Qts	0.71
Moving Mass	Mms	342.9
Eq.Cas Air Load(liters)	VAS	41.1
Resonant Frequency	Fs	39
Effective Piston Area	SD	779.3

NOTE: TS Measurement Connection: Paralell

Ported 15" SPL Box :

Internal Volume: 90 Liter
 VB nett Volume: 75 Liter
 Port Height: 300 mm
 Port Wide: 125 mm
 Port Length: 275 mm
 F3: 50 Hz - FB: 60 Hz

Ported 15" SQPL Box :

Internal Volume: 120 Liter
 VB nett Volume: 100 Liter
 Port Height: 300 mm
 Port Wide: 150 mm
 Port Length: 300 mm
 F3: 45 Hz - FB: 54 Hz

SPECIFICATIONS FOR EXCURSION SXE SUBWOOFER SERIES

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

Model	Size	Nominal Impedance	Power RMS/PEAK	Sensitivity 1W/1m	Motor Size	Mounting Depth	Inner Dia. Cut out	Outer Dia.	Kg
SXE.v2 10D2	10"/25cm	2x20hm	1200 RMS 3500 WATT	90 dB	350 oz.	170mm	232mm	262mm	11.5
SXE.v2 12D2	12"/30cm	2x20hm	1200 RMS 3500 WATT	91 dB	350 oz.	200mm	285mm	318mm	12.0
SXE.v2 15D2	15"/38cm	2x20hm	1200 RMS 3500 WATT	92 dB	350 oz.	215mm	353mm	391mm	13.5
SXE.v2 10D4	10"/25cm	2x40hm	1200 RMS 3500 WATT	90 dB	350 oz.	170mm	232mm	262mm	11.5
SXE.v2 12D4	12"/30cm	2x40hm	1200 RMS 3500 WATT	91 dB	350 oz.	200mm	285mm	318mm	12.0
SXE.v2 15D4	15"/38cm	2x40hm	1200 RMS 3500 WATT	92 dB	350 oz.	215mm	353mm	391mm	13.5

CAUTION: Excursion Subwoofer are capable of producing dangerous SPL levels

ATTENTION: Excursion Subwoofer demand at least 50 hours break in time for maximum Performance.



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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