



...is all you need



X**X** 802

X**X** 804

X**X** 1201

X**X** 1202

X**X** 1501

X**X** 1502

XXXTREME COMPETITION BITCH **v.2**

CONGRATULATIONS !

You now own an EXCURSION XXX TREME Subwoofer, the product of an uncompromising design and german engineering philosophy. A product made from Car Audio fanatics who truly believe in the relentless pursuit of perfection. A product made for the single goal to be the ultimate choice for SPL Competition.

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 XXX 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 XXX 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 XXX.v2 SUBWOOFER FEATURE

Our XXX born Ground Pumping Gun Machines are definitely not what anybody need. You must want them. We have made them for incar madness far away a Subwoofer should have been acoustical built for.

They are consequent overbuilt, perform with all Features up to time and are prior in order to transfer fully unserious Fun and outstanding Deep Bass Excursions into your ride.

Some facts in concern to the XXX Design:

A tripple layererd component one piece spider got especially designed to keep controle in our new XXX long stroke die cast basket concept. This XXX basket feature our Excursion military standard allen screw terminals which awaite up to 8GA power speaker cables, which are designed for optional HPST8 Dual Hollywood ENERGETIC Terminals. This finally to increase the INPUT from 4x 8GA up to 8x 8GA wiring.

Carefully wooven heavy dual Tinsel lead really all of your amplifier power direct to the 6 layered 3"CCAR aluminium flat coil. Our XXX Voice Coil design shows up with an outstanding Roll Range Height of actually 66mm and got pimped with our Excursion Top Vents at the upper area of the lightweight aluminium Former.

There is absolut no doubt what the XXX Bitches are going to do with your ride if you open the gate of Power.

These Excursion XXXTreme Machines feature a tripple stacked closed Motor Structure of 700oz sheer Power. With an extended deep Kraft Pulp Cone with Carbon Fibers in Matrix they keep exeptionally stable. The cone got pimped with a circle of 8x 3GA ventilation holes below Dustcap area for the extra mile of contious cooling and airflow of Voice Coil.

But the prior visual feature of XXX and their first impression they will leave to you are the very large oversized Rubatek Foam surround. Those are capable for unlimited XXX movements which are getting sexy visual illustrated via our Excursion 3D Dustcap.

XXX Design target to take away your air in car. They need serious installation with a solid Energetic Concept to perform like a XXXTREME should do.

Pre-Installation Instructions:

It is recommended that you have your new EXCURSION XXX 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.

XXX.v2 8-D2 SPECIFICATIONS

Overall Dimensions	222*197	mm
Nominal Power Handling	1200	W/RMS
Transient Power 10ms	3000	W/MAX
Sensitivity	85.1	SPLO
Frequency Response	40-500	Hz
Cone Material	Pulp in Matrix	
Net Weight	11.6	kg
Electrical Data		
Nominal Impedance	Dual 2.0	Ohm
DC Resistance	Dual 1.9	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	61.1	mm
Voice Coil Height	45	mm
HE Magnetic Gap Height	15	mm
Max.Linear Excursion	15 / 30	mm
Voice Coil bobbin	Aluminium Flat	
Voice Coil Wire	CCAR	
Number Of Layers	6	layers
Magnet System Type	High Flux Ferrite	
BL Product	15.1	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.02
Mechanical Q Factor	Qms	3.6
Electrical Q Factor	Qes	1.2
Total Q Factor	Qts	0.74
Moving Mass	Mms	121.4
Eq.Cas Air Load(liters)	VAS	8.8
Resonant Frequency	Fs	43.2
Effective Piston Area	SD	188.6

Ported 8" SPL Box :

Internal Volume: 42,8 Liter
 VB nett Volume: 38,8 Liter
 Port Diameter: 2x 75 mm
 Port Length: each 240 mm
 F3: 41,5 Hz
 FB: 49,4 Hz

Ported 8" SQPL Box :

Internal Volume: 40,0 Liter
 VB nett Volume: 31,3 Liter
 Port Height: 38 mm
 Port Wide: 332 mm
 Port Length: 390 mm
 F3: 44,8 Hz - FB: 53,0 Hz

XXX.v2 8-D4 SPECIFICATIONS

Overall Dimensions	222*197	mm
Nominal Power Handling	1200	W/RMS
Transient Power 10ms	3000	W/MAX
Sensitivity	84.3	SPLO
Frequency Response	40-500	Hz
Cone Material	Pulp in Matrix	
Net Weight	11.6	kg
Electrical Data		
Nominal Impedance	Dual 4.0	Ohm
DC Resistance	Dual 3.6	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	61.1	mm
Voice Coil Height	45	mm
HE Magnetic Gap Height	15	mm
Max.Linear Excursion	15 / 30	mm
Voice Coil bobbin	Aluminium Flat	
Voice Coil Wire	CCAR	
Number Of Layers	6	layers
Magnet System Type	High Flux Ferrite	
BL Product	20.4	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.02
Mechanical Q Factor	Qms	7.6
Electrical Q Factor	Qes	1.13
Total Q Factor	Qts	0.73
Moving Mass	Mms	121.4
Eq.Cas Air Load(liters)	VAS	9.8
Resonant Frequency	Fs	43.4
Effective Piston Area	SD	188.6

Ported 8" SPL Box :

Internal Volume: 42,8 Liter
 VB nett Volume: 38,8 Liter
 Port Diameter: 2x 75 mm
 Port Length: each 240 mm
 F3: 41,5 Hz
 FB: 49,4 Hz

Ported 8" SQPL Box :

Internal Volume: 40,0 Liter
 VB nett Volume: 31,3 Liter
 Port Height: 38 mm
 Port Wide: 332 mm
 Port Length: 390 mm
 F3: 44,8 Hz - FB: 53,0 Hz

XXX.v2 12-D1 SPECIFICATIONS

Overall Dimensions	320*290	mm
Nominal Power Handling	2000	W/RMS
Transient Power 10ms	6000	W/MAX
Sensitivity	88.0	SPLO
Frequency Response	30-400	Hz
Cone Material	Pulp in Matrix	
Net Weight	23.8	kg
Electrical Data		
Nominal Impedance	Dual 1.0	Ohm
DC Resistance	Dual 0.9	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	66	mm
HE Magnetic Gap Height	20	mm
Max.Linear Excursion	25 / 50	mm
Voice Coil bobbin	Aluminium Flat	
Voice Coil Wire	CCAR	
Number Of Layers	6	layers
Magnet System Type	High Flux Ferrite	
BL Product	17	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.03
Mechanical Q Factor	Qms	5.44
Electrical Q Factor	Qes	0.7
Total Q Factor	Qts	0.62
Moving Mass	Mms	377,8
Eq.Cas Air Load(liters)	VAS	19.5
Resonant Frequency	Fs	42
Effective Piston Area	SD	510.0

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

XXX.v2 12-D2 SPECIFICATIONS

Overall Dimensions	320*290	mm
Nominal Power Handling	2000	W/RMS
Transient Power 10ms	6000	W/MAX
Sensitivity	87.1	SPLO
Frequency Response	30-400	Hz
Cone Material	Pulp in Matrix	
Net Weight	23.8	kg
Electrical Data		
Nominal Impedance	Dual 2.0	Ohm
DC Resistance	Dual 1.8	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	66	mm
HE Magnetic Gap Height	20	mm
Max.Linear Excursion	25 / 50	mm
Voice Coil bobbin	Aluminium Flat	
Voice Coil Wire	CCAR	
Number Of Layers	6	layers
Magnet System Type	High Flux Ferrite	
BL Product	24.3	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.04
Mechanical Q Factor	Qms	5.04
Electrical Q Factor	Qes	0.75
Total Q Factor	Qts	0.65
Moving Mass	Mms	377,8
Eq.Cas Air Load(liters)	VAS	20.7
Resonant Frequency	Fs	43
Effective Piston Area	SD	510.0

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

XXX.v2 15-D1 SPECIFICATIONS

Overall Dimensions	394*328	mm
Nominal Power Handling	2000	W/RMS
Transient Power 10ms	6000	W/MAX
Sensitivity	91.6	SPLO
Frequency Response	25-400	Hz
Cone Material	Pulp in Matrix	
Net Weight	25.0	kg
Electrical Data		
Nominal Impedance	Dual 1.0	Ohm
DC Resistance	Dual 0.9	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	66	mm
HE Magnetic Gap Height	20	mm
Max.Linear Excursion	25 / 50	mm
Voice Coil bobbin	Aluminium Flat	
Voice Coil Wire	CCAR	
Number Of Layers	6	layers
Magnet System Type	High Flux Ferrite	
BL Product	20.7	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.04
Mechanical Q Factor	Qms	6.71
Electrical Q Factor	Qes	0.63
Total Q Factor	Qts	0.57
Moving Mass	Mms	397.1
Eq.Cas Air Load(liters)	VAS	42.5
Resonant Frequency	Fs	38
Effective Piston Area	SD	754.7

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

XXX.v2 15-D2 SPECIFICATIONS

Overall Dimensions	394*328	mm
Nominal Power Handling	2000	W/RMS
Transient Power 10ms	6000	W/MAX
Sensitivity	90.8	SPLO
Frequency Response	40-500	Hz
Cone Material	Pulp in Matrix	
Net Weight	25.0	kg
Electrical Data		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 2	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	66	mm
HE Magnetic Gap Height	20	mm
Max.Linear Excursion	25 / 50	mm
Voice Coil bobbin	Aluminium Flat	
Voice Coil Wire	CCAR	
Number Of Layers	6	layers
Magnet System Type	High Flux Ferrite	
BL Product	26.3	N.A.
T-S Parameters		
Suspension Compliance	Cms	0.04
Mechanical Q Factor	Qms	4.93
Electrical Q Factor	Qes	0.72
Total Q Factor	Qts	0.62
Moving Mass	Mms	397.1
Eq.Cas Air Load(liters)	VAS	43.4
Resonant Frequency	Fs	39
Effective Piston Area	SD	754.7

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

SPECIFICATIONS FOR EXCURSION XXX 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
XXX-8 D2	8"/20cm	2x 20ohm	1200 RMS 3000 WATT	85.1 dB	350 oz.	165mm	190mm	222mm	11.6
XXX-12 D1	12"/30cm	2x1Ohm	2000 RMS 6000 WATT	88.0 dB	700 oz.	242mm	286mm	318mm	23.8
XXX-15 D1	15"/38cm	2x1Ohm	2000 RMS 6000 WATT	91.6 dB	700 oz.	275mm	356mm	392mm	25.0
XXX-8 D4	8"/20cm	2x 4Ohm	1200 RMS 3000 WATT	84.3 dB	350 oz.	165mm	190mm	222mm	11.6
XXX-12 D2	12"/30cm	2x20ohm	2000 RMS 6000 WATT	87.1 dB	700 oz.	242mm	286mm	318mm	23.8
XXX-15 D2	15"/38cm	2x20ohm	2000 RMS 6000 WATT	90.8 dB	700 oz.	275mm	356mm	392mm	25.0

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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