



...is all you need



MAXT1201

MAXT1202

MAXT1501

MAXT1502

MAXT1801

MAXT1802

MAXTREM COMP BITCH V.3

CONGRATULATIONS !

You now own an EXCURSION MXT MAXTREME Subwoofer in the 3rd Generation. A product of an uncompromising design and german engineering philosophy. A product made from Car Audio fanatics who truly believe in 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 MXT 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 MXT 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 MXT.v3 COMP SUBWOOFER FEATURE

We state clearly again that even our MXT.v3 Bitches are still nothing you need. This is why they are still Bitches. It is not a Need. It is about a Must Have them. This for this single moment when boys grow to men in the competition lane.

MXT in the 3rd Generation finally leaves all of its proven roots and opens a new chapter for new successes and new stories. Where GEN2 stepped up the GEN1 into the present with a new basket and new soft parts and newly optimized 4-layer voice coil, the GEN3 now goes far into the future with a completely newly developed motor, newly 6-layer voice coil, short-ring technology and a new idea.

But any compare with the GEN2 is hardly fair as the fighting class of GEN3 grew up to a total new level with almost 6kg more on weight. Instead just to make it more heavy and looking bigger for the bigger sales strategy, as like most of the subs with no design idea on the market, our new GEN3 Engineering broke all records of test revisions. After many extra miles which we must have gone we proudly result with an increase of the GEN3 Motor force in average compare all models more than 40% with GEN2. This easy explain why GEN3 is a Stand Alone with no compare anymore.

If to consider these results gained with a stronger and more heavy 6Layer CCAR Dual Voice Coil, which increased the frequency bandwidth with a lower of FS and a higher of electrical power handling, than GEN3 Design send Its Greeting Card from the far future of Car Audio Competition to our Presence. This not worked out with add another magnet stack from the shelf or glue another of same spider from other shelf and talk about a „More“ on value. It is a result of the EXCURSION philosophy of constantly questioning everything and putting it to the test. To accept nothing for granted and to question everything again and look for new answers to step further.

GEN3 MXT surprise with 2 magnet stacks instead 3. No need of Show&Shine of any spectacular 4, 5 or 6 stacks. This in target order to go far the Edges of efficiency and Technology. Luxury upgraded with a more of controle with Short Ring Technologies. Unbelievable sexy presentated in a new Carbon Dress the new MXT GEN3 honour a add of the suffix COMP for Competition to follow up with EXCURSION COMP family.

Many may ask why no Carbon cone which is in real and fake mass Hype of presence? Remember our words of philosopy above. Be asured we tested it and it stepped in no way further. To underline our decision with humor we made the Carbon Dress instead. But we are no Spoilsport and offer Carbon Cones optional for the full carbon package.

Pre-Installation Instructions:

It is recommended that you have your new EXCURSION MXT 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
- * Silicone 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.

MXT.v3 12D1 COMP SPECIFICATIONS

Overall Dimensions	314*273	mm	
Nominal Power Handling	5000	W/RMS	
Transient Power 10ms	12500	W/MAX	
Sensitivity	90.1	SPLO	
Frequency Response	45-300	Hz	
Cone Material	Pulp in Matrix		
Net Weight	32.5	kg	
Electrical Data			
Nominal Impedance	Dual 1	Ohm	
DC Resistance	Dual 1	Ohm	
Voice Coil and Magnet Parameters			
Voice Coil Diameter	76.5	mm	
Voice Coil Height	64	mm	
HE Magnetic Gap Height	24	mm	
Max.Linear Excursion	20 / 40	mm	
Voice Coil bobbin	Black Aluminium		
Voice Coil Wire	CCAR		
Number Of Layers	6	Layers	
Magnet System Type	High Flux Ferrite	Y35	
BL Product	26.1	N.A	
T-S Parameters			
Suspension Compliance	Cms	0.035	mm/N
Mechanical Q Factor	Qms	5.79	
Electrical Q Factor	Qes	0.43	
Total Q Factor	Qts	0.4	
Moving Mass	Mms	358	g
Eq.Cas Air Load(liters)	VAS	15.6	Liter
Resonant Frequency	Fs	45	Hz
Effective Piston Area	SD	530.9	cm ²

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

MXT.v3 12D2 COMP SPECIFICATIONS

Overall Dimensions	314*273	mm	
Nominal Power Handling	5000	W/RMS	
Transient Power 10ms	12500	W/MAX	
Sensitivity	89.3	SPLO	
Frequency Response	46-300	Hz	
Cone Material	Pulp in Matrix		
Net Weight	32.5	kg	
Electrical Data			
Nominal Impedance	Dual 2	Ohm	
DC Resistance	Dual 1.9	Ohm	
Voice Coil and Magnet Parameters			
Voice Coil Diameter	76.5	mm	
Voice Coil Height	64	mm	
HE Magnetic Gap Height	24	mm	
Max.Linear Excursion	20 / 40	mm	
Voice Coil bobbin	Black Aluminium		
Voice Coil Wire	CCAR		
Number Of Layers	6	Layers	
Magnet System Type	High Flux Ferrite	Y35	
BL Product	33.2	N.A	
T-S Parameters			
Suspension Compliance	Cms	0.031	mm/N
Mechanical Q Factor	Qms	5.73	
Electrical Q Factor	Qes	0.45	
Total Q Factor	Qts	0.42	
Moving Mass	Mms	348	g
Eq.Cas Air Load(liters)	VAS	14.8	Liter
Resonant Frequency	Fs	46	Hz
Effective Piston Area	SD	530.9	cm ²

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

MXT.v3 15D1 COMP SPECIFICATIONS

Overall Dimensions	395*304	mm
Nominal Power Handling	5000	W/RMS
Transient Power 10ms	12500	W/MAX
Sensitivity	92.4	SPLO
Frequency Response	42-300	Hz
Cone Material	Pulp in Matrix	
Net Weight	33.0	kg
Electrical Data		
Nominal Impedance	Dual 1	Ohm
DC Resistance	Dual 1	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	64	mm
HE Magnetic Gap Height	24	mm
Max.Linear Excursion	20 / 40	mm
Voice Coil bobbin	Black Aluminium	
Voice Coil Wire	CCAR	
Number Of Layers	6	Layers
Magnet System Type	High Flux Ferrite	Y35
BL Product	26.8	N.A
T-S Parameters		
Suspension Compliance	Cms	0.02 mm/N
Mechanical Q Factor	Qms	5.37
Electrical Q Factor	Qes	0.4
Total Q Factor	Qts	0.37
Moving Mass	Mms	544.1 g
Eq.Cas Air Load(liters)	VAS	24.9 Liter
Resonant Frequency	Fs	42 Hz
Effective Piston Area	SD	829.5 cm ²

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

MXT.v3 15D2 COMP SPECIFICATIONS

Overall Dimensions	395*304	mm
Nominal Power Handling	5000	W/RMS
Transient Power 10ms	12500	W/MAX
Sensitivity	91.8	SPLO
Frequency Response	43-300	Hz
Cone Material	Pulp in Matrix	
Net Weight	33.0	kg
Electrical Data		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 1.9	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	76.5	mm
Voice Coil Height	64	mm
HE Magnetic Gap Height	24	mm
Max.Linear Excursion	20 / 40	mm
Voice Coil bobbin	Black Aluminium	
Voice Coil Wire	CCAR	
Number Of Layers	6	Layers
Magnet System Type	High Flux Ferrite	Y35
BL Product	33.5	N.A
T-S Parameters		
Suspension Compliance	Cms	0.02 mm/N
Mechanical Q Factor	Qms	5.32
Electrical Q Factor	Qes	0.42
Total Q Factor	Qts	0.39
Moving Mass	Mms	530 g
Eq.Cas Air Load(liters)	VAS	25.3 Liter
Resonant Frequency	Fs	43 Hz
Effective Piston Area	SD	829.5 cm ²

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

MXT.v3 18D1 COMP SPECIFICATIONS

Overall Dimensions	465*351	mm	
Nominal Power Handling	5000	W/RMS	
Transient Power 10ms	12500	W/MAX	
Sensitivity	93.5	SPLO	
Frequency Response	39-300	Hz	
Cone Material	Pulp in Matrix		
Net Weight	33.9	kg	
Electrical Data			
Nominal Impedance	Dual 1	Ohm	
DC Resistance	Dual 1	Ohm	
Voice Coil and Magnet Parameters			
Voice Coil Diameter	76.5	mm	
Voice Coil Height	64	mm	
HE Magnetic Gap Height	24	mm	
Max.Linear Excursion	20 / 40	mm	
Voice Coil bobbin	Black Aluminium		
Voice Coil Wire	CCAR		
Number Of Layers	6	Layers	
Magnet System Type	High Flux Ferrite	Y35	
BL Product	26.1	N.A	
T-S Parameters			
Suspension Compliance	Cms	0.02	mm/N
Mechanical Q Factor	Qms	5.1	
Electrical Q Factor	Qes	0.46	
Total Q Factor	Qts	0.43	
Moving Mass	Mms	590	g
Eq.Cas Air Load(liters)	VAS	67	Liter
Resonant Frequency	Fs	39	Hz
Effective Piston Area	SD	1164.	cm ²

NOTE:TS Measurement Connection: Series

MXT.v3 18D2 COMP SPECIFICATIONS

Overall Dimensions	465*351	mm	
Nominal Power Handling	5000	W/RMS	
Transient Power 10ms	12500	W/MAX	
Sensitivity	93.0	SPLO	
Frequency Response	39-300	Hz	
Cone Material	Pulp in Matrix		
Net Weight	33.9	kg	
Electrical Data			
Nominal Impedance	Dual 2	Ohm	
DC Resistance	Dual 1.9	Ohm	
Voice Coil and Magnet Parameters			
Voice Coil Diameter	76.5	mm	
Voice Coil Height	64	mm	
HE Magnetic Gap Height	24	mm	
Max.Linear Excursion	20 / 40	mm	
Voice Coil bobbin	Black Aluminium		
Voice Coil Wire	CCAR		
Number Of Layers	6	Layers	
Magnet System Type	High Flux Ferrite	Y35	
BL Product	33.5	N.A	
T-S Parameters			
Suspension Compliance	Cms	0.02	mm/N
Mechanical Q Factor	Qms	5.25	
Electrical Q Factor	Qes	0.46	
Total Q Factor	Qts	0.43	
Moving Mass	Mms	580	g
Eq.Cas Air Load(liters)	VAS	66.3	Liter
Resonant Frequency	Fs	39	Hz
Effective Piston Area	SD	1164.	cm ²

NOTE:TS Measurement Connection: Series

SPECIFICATIONS FOR EXCURSION MXT 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
MXT-12 D1	12"/30cm	2x1Ohm	5000 / 12500	90.1 dB	1000 oz	239mm	287mm	314mm	32.5
MXT-15 D1	15"/38cm	2x1Ohm	5000 / 12500	92.4 dB	1000 oz	275mm	362mm	395mm	33.0
MXT-18 D1	18"/46cm	2x1Ohm	5000 / 12500	93.5 dB	1000 oz	311mm	428mm	465mm	33.9
MXT-12 D2	12"/30cm	2x2Ohm	5000 / 12500	89.3 dB	1000 oz	239mm	287mm	314mm	32.5
MXT-15 D2	15"/38cm	2x2Ohm	5000 / 12500	91.8 dB	1000 oz	275mm	362mm	395mm	33.0
MXT-18 D2	18"/46cm	2x2Ohm	5000 / 12500	93.0 dB	1000 oz	311mm	428mm	465mm	33.9

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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