



...is all you need



- RxD1501**
- RxD1502**
- RxD1801**
- RxD1802**

RACING EXCURSION DEVIL COMP v.2

CONGRATULATIONS !

You are now owner of a RACING EXCURSION DEVIL of the 2nd Generation. A Competition Subwoofer with a Diabolic design and german engineering philosophy. A product made from Hell's kitchen and the Master who truly believe in perfection. A product made to get all lost Basshead Souls dammed in their cars for the Drag Race.

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 RXD.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 RXD 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.

RACING EXCURSION DEVIL FAIRY ENGINEERING TAIL - PART II

5 years have passed since the EXCURSION devils risen on earth to make all the lost basshead souls in their vehicles endure endless sound pressure pain on their poor bodies for all eternity.

No basshead could hide from them.

But with more and more hellish amplifier power, over time it became too much for the master to capture the remaining souls and there were more and more of them. So the EXCURSION engineer had to descend again and forge a new tool in the fire of the master's hell so that it would remain at his service for all time with even more hellish performance.

Almost desperate for this impossible task, the EXCURSION engineer knew there was no escape, excuse or any 2nd chance . If it somehow succeeded, everything had to be remade and not just improved.

A completely new dimension of Y35 Monster ferrite motor with a 50% larger combat weight of 1500oz and a stronger 8-layer 4" heart wound on 86mm flat wire was the developer's last rescue from hell's kitchen. Now he was able to initiate the final Armageddon for all remaining bassheads on earth with a brief load of up to 25,000 watts in this 2nd generation of the EXCURSION RXD devils and the master got satisfied.

Once again EXCURSION devils risen up on earth to continue their hunt and dB RACING for all those damned basshead souls, strengthened in the new carbon dress and infinite infernal power. No mercy is given to them and so they have their final destiny for all eternity.

Three, two, one... the hellish Racing X Devil has it **DONE**

Pre-Installation Instructions:

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

RXD.v2 15-D1 COMP SPECIFICATIONS

Overall Dimensions	383*355	mm
Nominal Power Handling	8000	W/RMS
Transient Power 10ms	25000	W/MAX
Sensitivity	92.1	SPLO
Frequency Response	30-300	Hz
Cone Material	Pulp in Matrix	
Net Weight	48.05	kg
Electrical Data		
Nominal Impedance	Dual 1	Ohm
DC Resistance	Dual 0.7	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	99.8	mm
Voice Coil Height	86	mm
HE Magnetic Gap Height	30	mm
Max.Linear Excursion	28 / 56	mm
Max. Mechanical Excursion	40 / 80	mm
Voice Coil bobbin	Black Aluminium	
Voice Coil Wire	CCAR	
Number Of Layers	8	layer
Magnet System Type	High Flux Ferrite	Y35
BL Product	32.3	N.A
T-S Parameters		
Suspension Compliance	Cms	0.02
Mechanical Q Factor	Qms	3.96
Electrical Q Factor	Qes	0.28
Total Q Factor	Qts	0.26
Moving Mass	Mms	790.4
Eq.Cas Air Load(liters)	VAS	29.2
Resonant Frequency	Fs	30
Effective Piston Area	SD	829.5
		cm ²

NOTE:TS Measurement Connection: Series

RXD.v2 15-D2 COMP SPECIFICATIONS

Overall Dimensions	383*355	mm
Nominal Power Handling	8000	W/RMS
Transient Power 10ms	25000	W/MAX
Sensitivity	92.5	SPLO
Frequency Response	30-300	Hz
Cone Material	Pulp in Matrix	
Net Weight	48.05	kg
Electrical Data		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 1.4	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	99.8	mm
Voice Coil Height	86	mm
HE Magnetic Gap Height	30	mm
Max.Linear Excursion	28 / 56	mm
Max. Mechanical Excursion	40 / 80	mm
Voice Coil bobbin	Black Aluminium	
Voice Coil Wire	CCAR	
Number Of Layers	8	layer
Magnet System Type	High Flux Ferrite	Y35
BL Product	37.1	N.A
T-S Parameters		
Suspension Compliance	Cms	0.03
Mechanical Q Factor	Qms	3.8
Electrical Q Factor	Qes	0.31
Total Q Factor	Qts	0.29
Moving Mass	Mms	693.7
Eq.Cas Air Load(liters)	VAS	34.8
Resonant Frequency	Fs	30
Effective Piston Area	SD	829.5
		cm ²

NOTE:TS Measurement Connection: Series

RXD.v2 18-D1 COMP SPECIFICATIONS

Overall Dimensions	465*374	mm
Nominal Power Handling	8000	W/RMS
Transient Power 10ms	25000	W/MAX
Sensitivity	94.1	SPLO
Frequency Response	29-300	Hz
Cone Material	Pulp in Matrix	
Net Weight	48.7	kg
Electrical Data		
Nominal Impedance	Dual 1	Ohm
DC Resistance	Dual 0.7	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	99.8	mm
Voice Coil Height	86	mm
HE Magnetic Gap Height	30	mm
Max.Linear Excursion	28 / 56	mm
Max. Mechanical Excursion	40 / 80	mm
Voice Coil bobbin	Black Aluminium	
Voice Coil Wire	CCAR	
Number Of Layers	8	layer
Magnet System Type	High Flux Ferrite	Y35
BL Product	32.58	N.A
T-S Parameters		
Suspension Compliance	Cms	0.02
Mechanical Q Factor	Qms	3.95
Electrical Q Factor	Qes	0.32
Total Q Factor	Qts	0.3
Moving Mass	Mms	910.2
Eq.Cas Air Load(liters)	VAS	48.7
Resonant Frequency	Fs	29
Effective Piston Area	SD	1225.4
		cm ²

NOTE:TS Measurement Connection: Series

RXD.v2 18-D2 COMP SPECIFICATIONS

Overall Dimensions	465*374	mm
Nominal Power Handling	8000	W/RMS
Transient Power 10ms	25000	W/MAX
Sensitivity	94.5	SPLO
Frequency Response	30-300	Hz
Cone Material	Pulp in Matrix	
Net Weight	48.7	kg
Electrical Data		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 1.4	Ohm
Voice Coil and Magnet Parameters		
Voice Coil Diameter	99.8	mm
Voice Coil Height	86	mm
HE Magnetic Gap Height	30	mm
Max.Linear Excursion	28 / 56	mm
Max. Mechanical Excursion	40 / 80	mm
Voice Coil bobbin	Black Aluminium	
Voice Coil Wire	CCAR	
Number Of Layers	8	layer
Magnet System Type	High Flux Ferrite	Y35
BL Product	37.6	N.A
T-S Parameters		
Suspension Compliance	Cms	0.02
Mechanical Q Factor	Qms	3.62
Electrical Q Factor	Qes	0.37
Total Q Factor	Qts	0.34
Moving Mass	Mms	813.5
Eq.Cas Air Load(liters)	VAS	58.6
Resonant Frequency	Fs	30
Effective Piston Area	SD	1225.4
		cm ²

NOTE:TS Measurement Connection: Series



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 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



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