



...is all you need



Rx 652

Rx 802

Rx 6C

Rx 8C

Rx 6.3C

Rx 8.3C

20HM

RX - REFERENCE SERIES SQL SPEAKER

CONGRATULATIONS !

You now own an EXCURSION RX Series Component Speaker, 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.

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 RX Speakers installed by an exclusive Authorized EXCURSION Dealer

EXCURSION RX SPEAKER FEATURE

Cone & Surround: For a new benchmark in mid resolution for our REFERENCE speaker series we have investigated a further development of our vital wool fibre cone material. With more of higher grade fibre strands in the composite and a more fluffy wool material we lowered the weight once more at a higher overall stiffness.

While RX-REFERENCE midrange speaker share already quite all Features of the upper PX-PERFORMANCE speaker series, the final key differences instead are the unique hightechnology tripple Layer Carbon/PMI/Glasfiber Cone, the double sprinkle damping coating of the basket and chrome plating of the Top Plate & T-Yoke of the Motor System.

So it did result in a hold on the high quality Santropen Surrounds for our new EXCURSION economy flagship, the REFERENCE RX-6M Midrange speaker, and same we did hold on for the selective handmade and heat resistant NOMEX spider from the PX series for the transmission of the RX Wool/Glasfibre stripe reinforced cone.

Phased Plug Dustcap Design: effect in higher resolution of vocal mid section at none axial or difficult OEM speaker position, while reducing unwanted distortion and losses.

Fully vented Steel Basket: Our EXCURSION steel baskets are DIN size for an easy OEM Replacement. They are perfect vented at the lower Spider area which provide max airflow from the Center Pole vent of the motor via the top vented upper Voice Coil.

Low Impedance Voice Coils: For advanced efficiency and best impuls we designed each size the perfect 2Ohm Coil. Where RX-6M based on 1" the RX-8M got designed for 1.2" Voice Coil Diameter and highest possible Power Handling. With the decrease of impedance down to 2Ohm we benefit already with thicker copper wire diameter with an increase of power handling and request the Full Performance of the Amps. While all other Excursion series show up with Aluformer the shared again PX standard sign up with Kapton Voice Coil Former which are of course top vented for best air flow.

Motors: Same standards as PX-6M the RX-6M, in order to mind a blow up wastings costs without effect into better, go with the highest grade Y35 Ferrite Magnet material. Higher Ferrite grade in compare Y30 SHX or Y25 SX is one side of the Medal, but an increase Diameter 80mm up to 90mm for RX-6M and 110mm for RX-8M the other side.

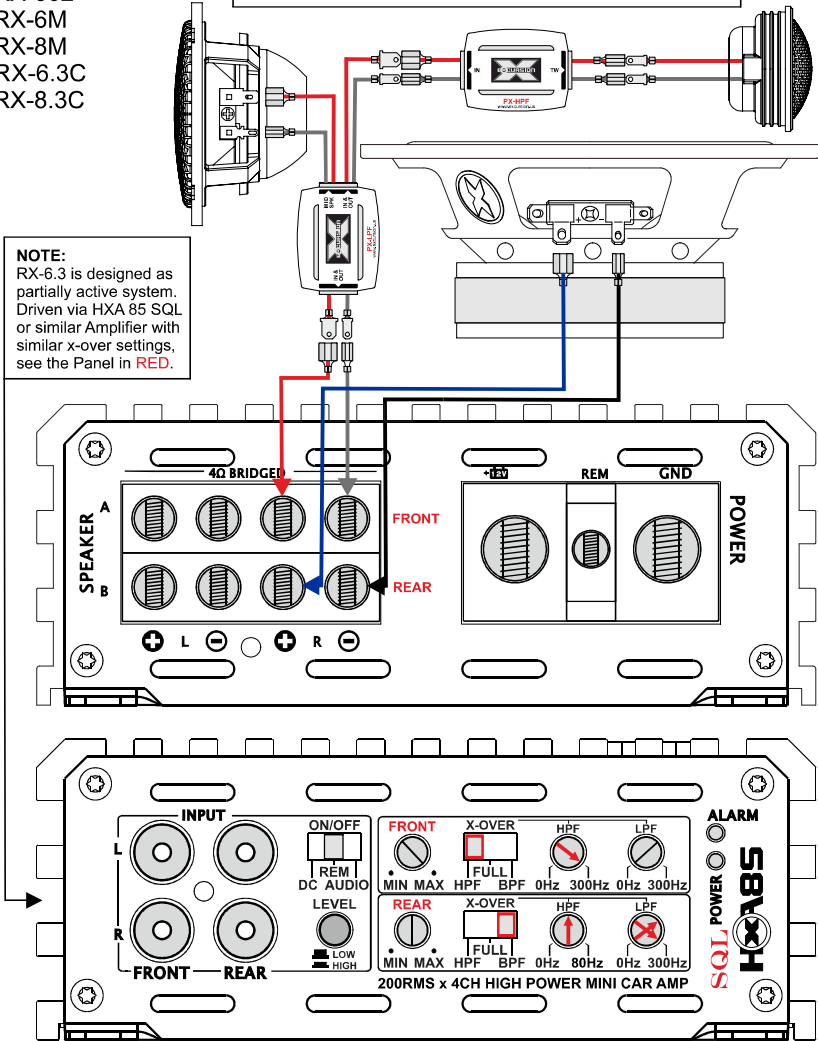
Competition Pure Silk, Soft Dome Tweeter: The outstanding performance of our Tweeters set the biggest difference to the competitors in the Car Audio market. A journey of engineering via almost one decade find with our PX-1 its SQL Touch Down. Our individual unique Tweeter design and case makes sure to be and stay exclusive. EXCURSION Tweeters love to get compared with the leading audiophile's in the world and our PX-1S is the best combination to offer for the new REFERENCE Components.

One way Hide Away Plug&Play Crossovers: We at EXCURSION have designed the smartest high quality crossover solution possible. We created the smallest sized crossover focus the real important for best Sound and praxis installation. We are using best parts and tinned copper cables which can get plugged in various ways. With our Single case Single way crossovers and a wide range of level resistors your investment is prepared for all possible demands during installation. This from an optional Bi-Wiring up to level tuning demands of your individual speaker car location. We are proud have been first set this standards which other honour with their copy.

WIRING DIAGRAM

- * RX-652
- * RX-802
- * RX-6M
- * RX-8M
- * RX-6.3C
- * RX-8.3C

NOTE:
Consider an install location of the PX-1S similar till up to +2cm more distance to your listener position than PX-3M to keep both in Phase.

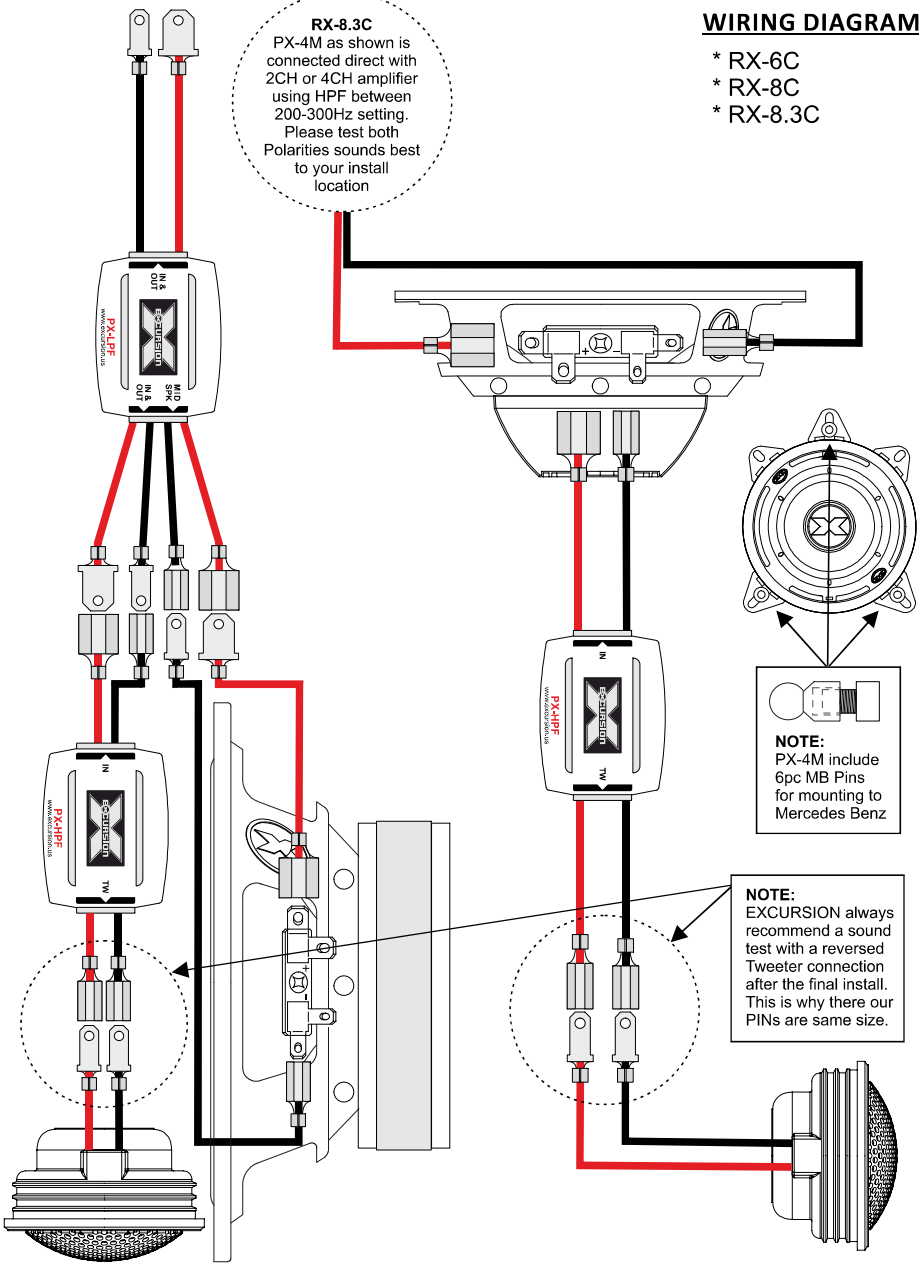


NOTE:
RX-6M is to be expected during its long break in period to increase the spl in the ground section. This may have in little steps the effect of losses in your fine resolution of the upper high/mid section, while you are happy about more bass performance. This is quite tricky as you have no direct sound compare of your system from monthes ago. A simple tool for an equalization (without an external DSP) is a gain downwards the LPF x-over frequency.

WIRING DIAGRAM

- * RX-6C
- * RX-8C
- * RX-8.3C

RX-8.3C
 PX-4M as shown is connected direct with 2CH or 4CH amplifier using HPF between 200-300Hz setting. Please test both Polarities sounds best to your install location



NOTE:
 PX-4M include 6pc MB Pins for mounting to Mercedes Benz

NOTE:
 EXCURSION always recommend a sound test with a reversed Tweeter connection after the final install. This is why there our PINs are same size.

Pre-Installation Instructions:

It is recommend that you have your new EXCURSION RX Series Automotive Speakers professionally installed by your authorized EXCURSION dealer. This will ensure use of proper installation techniques and materials and save much time and efforts. If you choose to perform your own installation, the following instruction will give you direction toward making your purchase complete. Read the following information and precautions carefully.

Failure to follow the stated precautions may result in personal injury or damage of the audio system or vehicle.

- A.) Always make sure the speaker will easily fit into the intended mounting location and that there is adequate cavity depth to accept the magnet structure.
- B.) Check for adequate clearance between speaker and window, window crank, power window mechanism, seat, glove box, rear deck torsion bars and other items which may interfere with the speaker's mounting. This is especially important if any hole cutting is required. A good way to confirm speaker place meet on a door or body panel is to place the speaker's die cast mounting ring onto the surface. Check for a flat mounting surface, free from all obstruction.
- C.) The method of installation choosen and level of execution will effect the overall performance of the EXCURSION Speakers. Thread each installation step with a high degree of attention.
- D.) Do not mount the speaker where water may splash the woofer cone. A plastic cup or some heavy gauge plastic sheeting may be needed in some locations that are exposed to moisture from behind the body panel.
- E.) Care must be taken to prevent low frequency cancelation caused by air leakage between the front and rear of the speaker (such as when mounted on a curved or uneven surface, or when mounted in an oversized hole)
- F.) Mounting panel reinformcement may be necessary in some cases in order to prevent surface flex. This can be achieved by mounting the speaker on a metal or wooden sub-baffle behind the body or door panel.

Consult an installation specialst for further direction.

G.) Unless you are replacing existing speakers of same size, mounting locations will have to be cut into the doors, body panels or rear deck. In some cases speaker mounting holes will be precut in the doors, bodypanels, or rear deck steel. Due to their structural integrity and accessibility. These precut mounting holes should be used whenever possible.

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 PX Series Automotive Loudspeakers. This will allow a trial listening test before securing the loudspeakers into their mounting locations.

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.



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