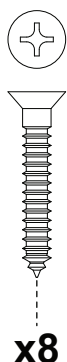


1211 DVC SUB PKG HARDWARE



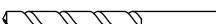
TOOLS REQUIRED



Dust Mask



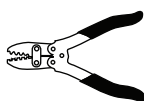
Safety Glasses



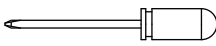
1/8" Bit



Power Drill



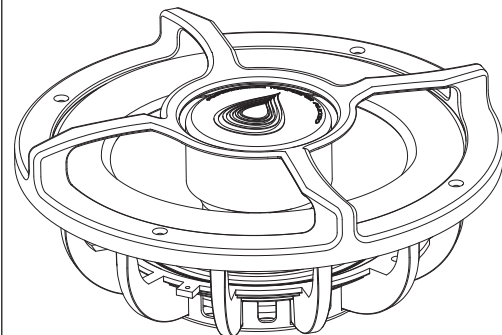
Wire Strippers



Phillips Screwdriver



Pencil



PREPARATION

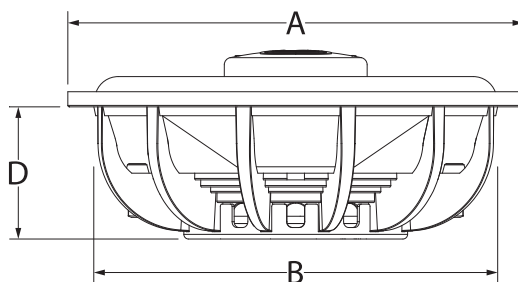
- For safety, turn off the audio system and battery switch prior to beginning installation. If your vessel does not have a battery switch simply disconnect the negative lead from the battery terminal.
- Use extreme caution before cutting and drilling holes to avoid damaging fuel lines, hydraulic lines, or existing electrical components.
- If additional wiring is required, we recommend using 12 gauge wiring and running all wires prior to mounting the subwoofer in place. Leave some slack in the wire to allow for easier installation and to prevent tension on the wire.
- Avoid running wires near sharp edged surfaces. Never run wires exposed on the deck, protecting the wires behind cover offers the best protection from marine elements.

THE PERFORMANCE OF YOUR NEW ROSWELL MARINE SUBWOOFER IS HIGHLY DEPENDENT ON PROPER ENCLOSURE DESIGN AND PLACEMENT. PLEASE REFER TO SPECIFICATIONS BELOW TO DESIGN AND TUNE YOUR ENCLOSURE FOR OPTIMAL PERFORMANCE.

THIELE/SMALL PARAMETERS

Parameter (unit)

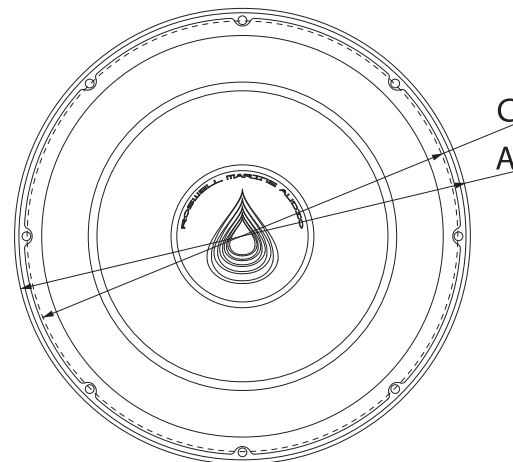
SPL (dB)	87.79
Re (Ω) parallel	2.0
Qms	2.839
Qes	0.633
Qts	0.518
Fs (Hz)	43.72
Vas (L)	29.37
Cms (mm/N)	0.0947
Mms (g)	139.95
Sd (m ²)	0.047
BL (T*M)	11.019
Xmax (mm) one way	13.8
Pwr (W) NOM/Max	400/800



PHYSICAL DIMENSIONS

Dimension

Total Diameter (A)	12.37 in / 314 mm
Mounting Diameter (B)	11 in / 279 mm
Screw Hole Diameter (C)	11.7 in / 297 mm
Mounting Depth (D)	3.37 in / 85 mm
Displacement	0.06 ft ³ (1.69 liter)



ENCLOSURES

Although this subwoofer can function in 1.0 - 1.5 cu/ft sealed enclosures, this type of enclosure is less efficient and therefore not recommended for the open-air environment of a boat. For MAXIMUM performance- Roswell recommends the following vented enclosure types:

Maximum Output Enclosure

Vb (ft ³)	1.8
Fb/F3 (Hz)	45/38
Slot Port (in.)	13.5 x 2.0 x 18.0

Note: Although we recommend using a slot port you may substitute a Round Port in this enclosure.

- Diameter 4 in. x Length 6 in.

Smaller Enclosure

Vb (ft ³)	1.1
Fb/F3 (Hz)	45/40
Slot Port (in.)	13.5 x 1.5 x 20.36

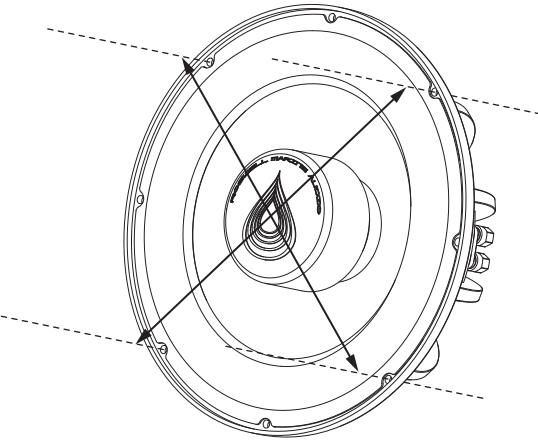
Note: Although we recommend using a slot port you may substitute a Round Port in this enclosure.

- Diameter 4 in. x Length 10.5 in.

ADDITIONAL USER INSTRUCTION

As ultra-low frequencies are not usable in this environment, Roswell strongly recommends using the RMA 500.1 amplifier and utilizing its subsonic filter to filter out the frequencies below 30Hz. This will allow more power to be directed to usable frequencies and will decrease the chances of damaging the subwoofer.

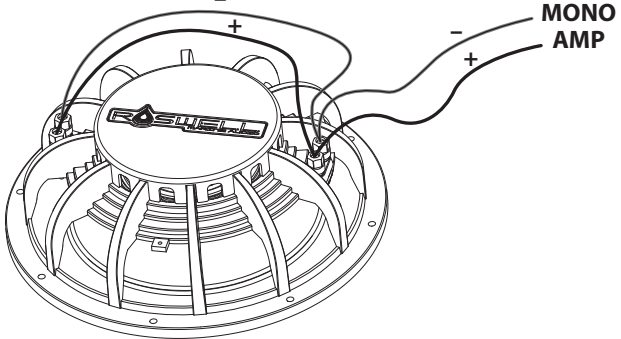
A Use the subwoofer as a template to mark the locations of the mounting screws. Make sure the subwoofer is in the desired orientation before marking the screw hole locations. Mark the holes with a pencil then drill the holes with a 1/8" bit.



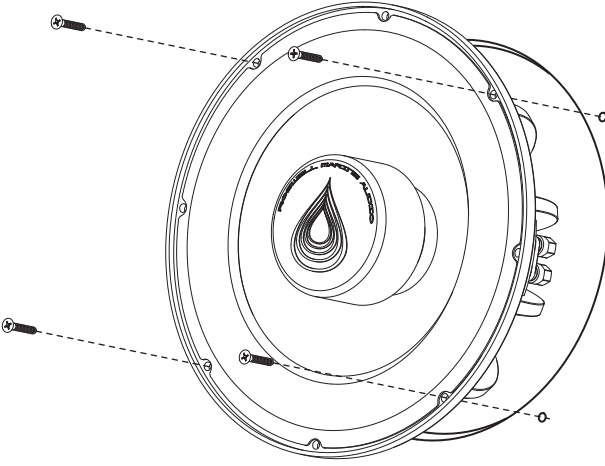
Mounting screw holes make X pattern

B Observing subwoofer polarity, strip 1/4" off ends of 2 positive wires and 2 negative wires and route as follows:

POSITIVE WIRE	
Positive Amp	to Positive Terminal 1
Positive Terminal 1	to Positive Terminal 2
NEGATIVE WIRE	
Negative Amp	to Negative Terminal 1
Negative Terminal 1	to Negative Terminal 2

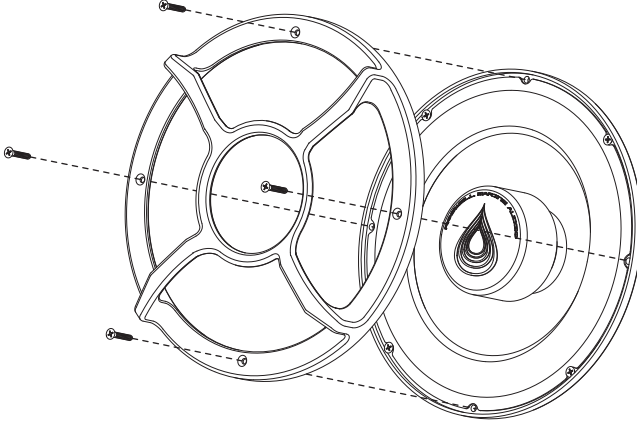


C Install subwoofer into mounting hole and fasten with supplied hardware by hand using a Phillips screwdriver. Test for proper operation.



x4

D Once Subwoofer is mounted and operational, fasten the stainless steel grill with remaining hardware.



x4

