

Introduction

This instruction manual is for your safety and must be adhered to at all times. Please read carefully and ensure that you fully understand the installation and set up procedures as explained. If you are unsure on the installation or set up of your VIBE PT Series subwoofer(s) please contact your nearest authorised VIBE dealer.

Contents

1 x VIBE PT Subwoofer
8 x Screws
Instruction Manual
Warranty Card
Cut out template

Standard Features

Polypropylene Cone for increased cone stiffness and increased sensitivity

4 Layer Vented Aluminium Voice Coil improves heat dissipation, power handling and reliability

Vented Chassis and Pole for added voice coil cooling

Big Roll Butyl Rubber Surround for clean deep bass reproduction and longer life

Woven Fly Wire eliminates tinsel lead vibration

Dual Flat Progressive Conex Spider provides superior lateral control over voice coil

WARNING

KEEP THE VOLUME AT A LEVEL SO YOU CAN STILL HEAR OUTSIDE NOISE - failure to do this may result in an accident. VIBE equipment is capable of producing sound levels that can permanently damage your hearing. VIBE recommends caution when listening at high volume. For safe and enjoyable listening the sound should be comfortable and clear without distortion.

DO NOT USE FUNCTIONS OF THIS EQUIPMENT THAT MAY TAKE YOUR CONCENTRATION AWAY FROM DRIVING YOUR VEHICLE - do not set up your amplifier whilst driving, doing so may result in an accident. For prolonged setting up, make sure that your vehicle is stationary and in a safe location.

ENSURE GOOD AND CORRECT CONNECTIONS - failure to make the correct connections may result in fire or damage to the product.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE POSITIVE BATTERY TERMINAL - failure to do so may result in electric shock or injury.

DO NOT EXPOSE THIS PRODUCT TO DAMP OR MOISTURE - doing so may result in fire, shock or damage to the product.

CAUTION

- Never connect any speaker lead to the car chassis. This can cause severe damage to your speaker / car radio / amplifier.
- Before drilling or cutting any holes, investigate the layout of your vehicle thoroughly.
- Use caution when working near hydraulic lines and electrical wiring.
- Observe the correct polarity when wiring, improper phasing may cause a loss of bass response.
- Ensure that no moving parts catch on the speaker or grill (e.g. window or door handles, or window glass inside the door)

Installation

The quality of the installation will affect the system performance and reliability.

Contact your nearest authorised VIBE dealer if you are unsure on the installation of this product. Please be sure to locate areas for this unit with protection from unusual hazards.

Minimising the length of wires will provide higher audio output from the system.

The speaker should be securely fastened to the mounting position using the screws provided.

Predrill your mounting holes using a drill and position with the template provided.

Be sure to investigate your mounting area thoroughly for electrical wires, vacuum lines, brake or fuel lines or fuel tank to prevent causing any damage.

- Cut if necessary any material to allow the correct seating of the speaker, using the hole cut out template provided. Try to seal the speaker minimising gaps between the front and back of the speaker.
- Connect speaker wires to the source output (i.e. power amplifier) then ensuring that the source is turned off, connect the wires to the subwoofer or speaker terminal. Please observe polarity to avoid a loss in bass response.
- Predrill your mounting holes using the template provided.
- Securely screw the speaker in place using the screws provided.

PT Series 4 Ohm Subwoofers

Specifications

Model	PT80	PT100	PT120	PT150
RMS power	250	300	350	450
Diameter size in inches:	8	10	12	15
Diameter size in mm:	215	274	323	392
Z - Nominal Impedance in Ohms:	4	4	4	4
Fs = Free air resonance frequency in Hz:	38	35	32	29
Qts = Total Q factor of driver:	0.44	0.46	0.51	0.59
Vas = Equivalent acoustic volume in cubic feet:	0.74	1.35	3.34	7.2
Vas = Equivalent acoustic volume in cubic litres:	21.08	34.33	84.50	207.07
Xmax = peak linear displacement of cone in inches:	0.18	0.29	0.29	0.29
Xmax = peak linear displacement of cone in mm:	4.75	7.5	7.5	7.5
Pe = Max Power in Watts:	500	600	700	900
Ref = Speaker's SPL 1W at 1m in dB:	85.72	86.61	88.63	90.36
Voice Coil Diameter in inches:	1.5"	2"	2"	2.5"
Mounting depth in mm:	108	126	141	168
Sd = Piston Area in Square meters:	0.0213	0.0346	0.053	0.085
Cms = Mechanical Suspension compliance:	327.24	201.95	211.82	201.83
Mms = Mechanical mass of cone & free air load:	53.36	100.49	118.23	148.60
Qms = Mechanical Q factor of driver:	5.65	5.24	4.86	3.47
Qes Electrical Q factor of driver:	0.48	0.507	0.573	0.719
Revc = DC Voice coil resistance in Ohms:	3.6	3.6	3.6	3.6
Zmax = impedance t top of resonance curve in Ohms:	46.01	40.83	34.15	21.01
Fo = Free air resonance frequency in Hz:	38	35	32	29
Magnet weight oz.	33	40	50	65
Recommended sealed enclosure size in cubic feet:	0.55	1.25	1.5	1.9