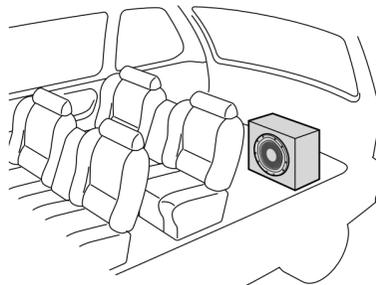
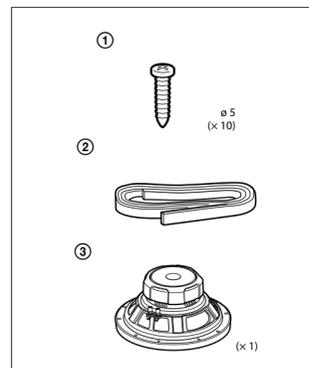


# Subwoofer

## Example



## Parts list



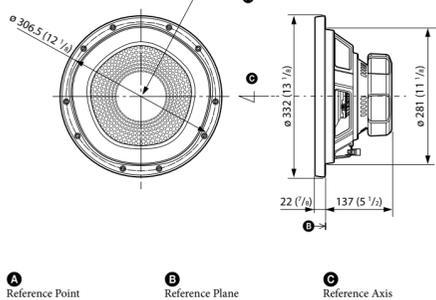
## Instructions

### XS-GTR1212L

©2012 Sony Corporation Printed in China

## Dimensions

Unit: mm (in)



## Specifications

Speaker	Woofer 30 cm (12 in), cone type
Short-term Maximum Power <sup>*)</sup>	2,000 W <sup>*)</sup>
Rated power	400 W <sup>*)</sup>
Rated impedance	4 Ω
Output sound pressure level	87±2 dB (1 W, 1 m) <sup>*)</sup>
In-car output sound pressure level	90 dB (1 W, @driver's seat) <sup>*)</sup>
Effective frequency range	30 - 1,000 Hz <sup>*)</sup>
Mass	Approx. 5.1 kg (11 lb 4 oz) per speaker
Supplied accessory	Parts for installation

*Design and specifications are subject to change without notice.*

<sup>\*)</sup> "Short-term Maximum Power" may also be referred to as "Peak Power."

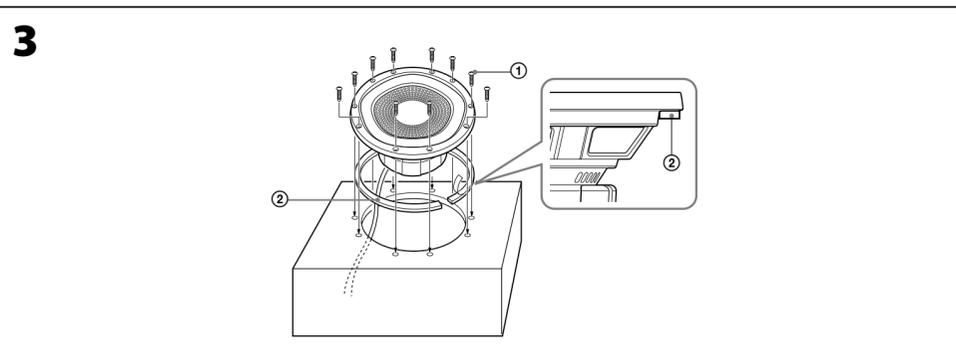
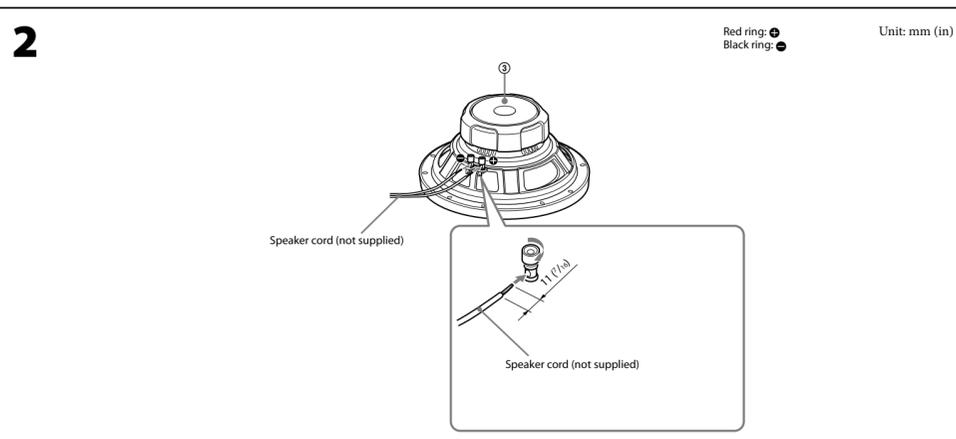
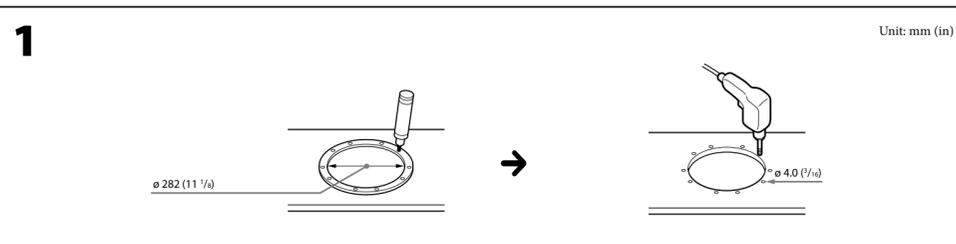
<sup>\*\*)</sup> Testing Condition : IEC 60268-5 (2003-05)

<sup>\*\*\*)</sup> Testing Condition : Inside the car

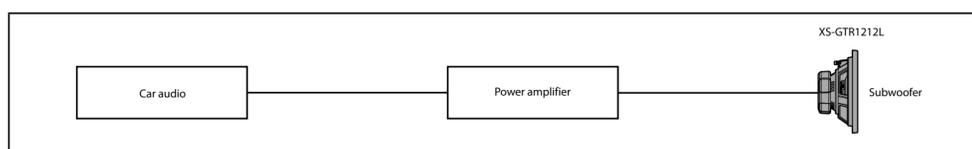
## Installation

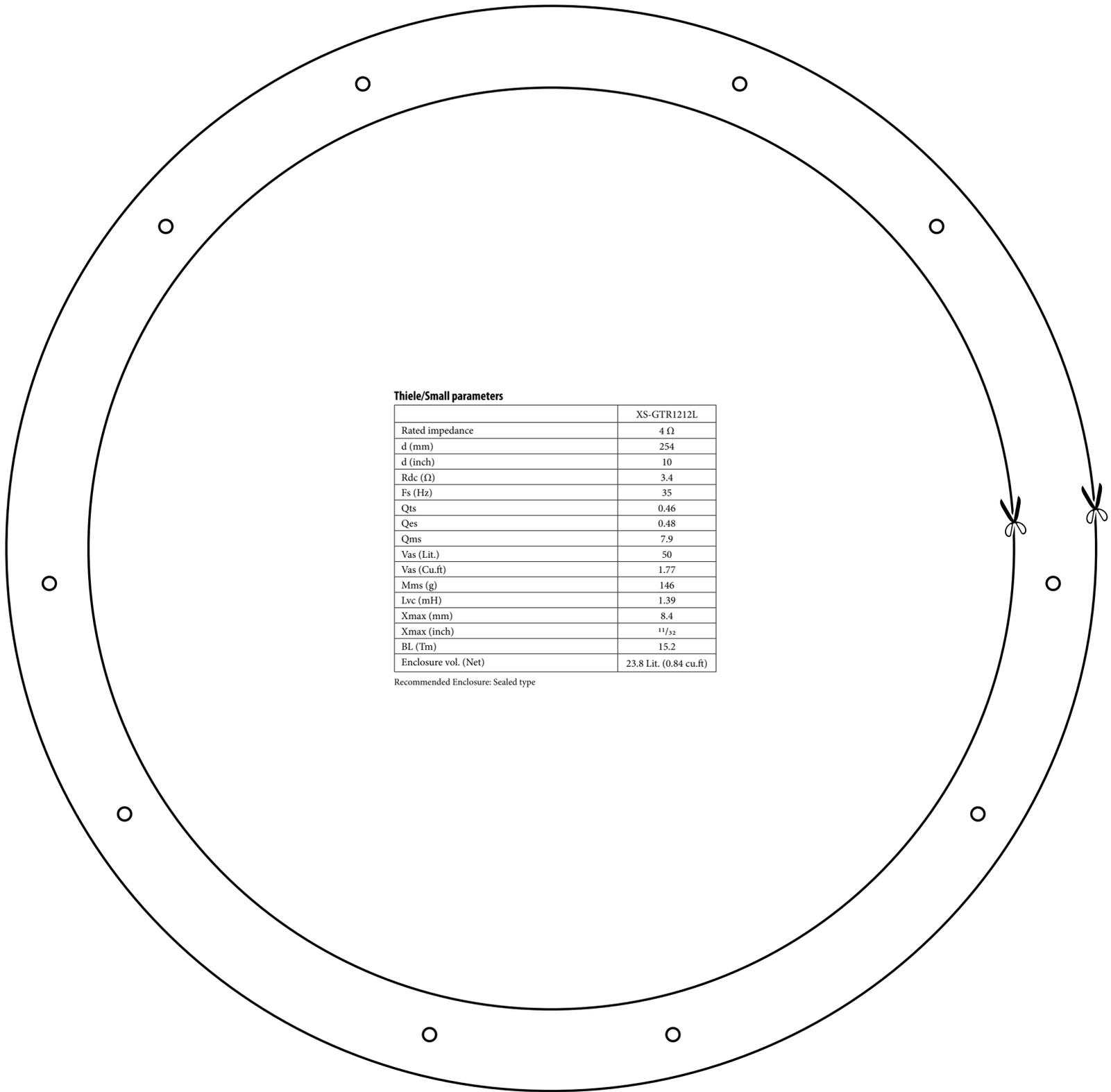
### Precautions

- Do not continuously use speaker system beyond the peak power handling capacity.
- Keep recorded tapes, watches, and credit cards, etc. with magnetic coding away from the speaker system to prevent damage caused by the magnets in the speakers.
- Please note the following when installing the units; otherwise malfunction and/or deterioration in sound quality may result.
  - Do not touch the diaphragms and/or speaker cones by hand or with tools.
  - Do not put your fingers through the holes of the frame.
  - Do not drop foreign objects in the units.
- The subwoofer is heavy, so attach it firmly to a solid thick, baffle plate or metal board.
- Make a woofer box, using wooden boards at least 18 mm (3/4 in) thickness.



## Connections





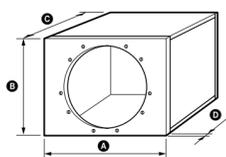
**Thiele/Small parameters**

	XS-GTR1212L
Rated impedance	4 Ω
d (mm)	254
d (inch)	10
Rdc (Ω)	3.4
Fs (Hz)	35
Qts	0.46
Qes	0.48
Qms	7.9
Vas (Lit.)	50
Vas (Cu.ft)	1.77
Mms (g)	146
Lvc (mH)	1.39
Xmax (mm)	8.4
Xmax (inch)	1 <sup>1</sup> / <sub>32</sub>
BL (Tm)	15.2
Enclosure vol. (Net)	23.8 Lit. (0.84 cu.ft)

Recommended Enclosure: Sealed type

**Enclosure design information**

**Sealed Type**



Unit: mm (in)

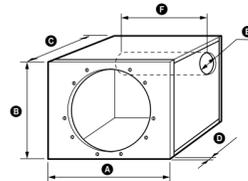
	A	B	C	D
XS-GTR1212L	430 (17)	370 (14 1/4)	238 (9 3/4)	18 (3/4)

	Enclosure Volume (Net)*
XS-GTR1212L	23.8 Lit. (0.84 cu.ft)

\* Net volumes do not include the air volume displaced by the speaker.

**Ported Type**

Unit: mm (in)



	A	B	C	D	E	F
XS-GTR1212L	438 (17 1/4)	404 (16)	317 (12 1/2)	18 (3/4)	ø 99 (4)	230 (9 1/4)

	Enclosure Volume (Net)*
XS-GTR1212L	38.7 Lit. (1.36 cu.ft)

\* Net volumes do not include the air volume displaced by the speaker and port. This part should be a solid, not a hollow object.