

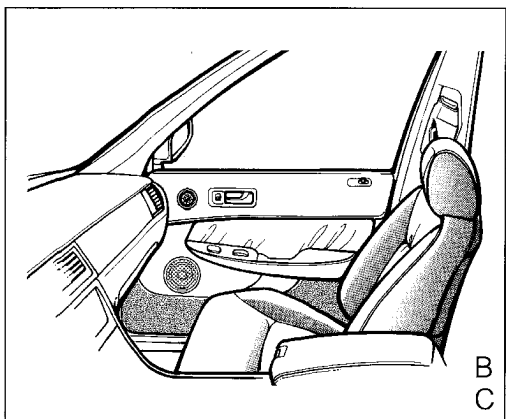
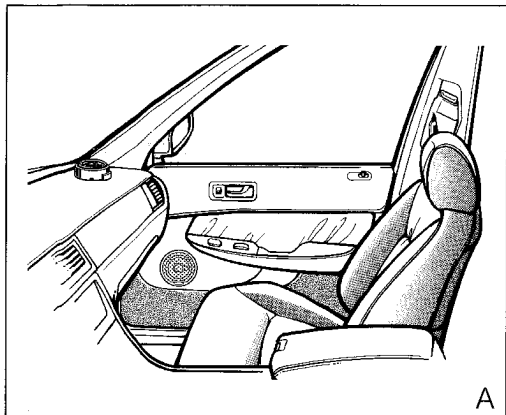
Be sure to read this instruction manual before installing this speaker.

Prière de lire obligatoirement ce manuel d'installation avant de monter le haut-parleur.

Antes de instalar el altavoz lea estas instrucciones de manejo sin falta.

Leia este manual de instruções antes de instalar o alto-falante.

- EXAMPLE OF MOUNTING
- EXEMPLE DE MONTAGE
- EJEMPLO DE MONTAJE
- EXEMPLO DE MONTAGEM



## ⚠ WARNING



Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. PIONEER and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

### To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.



## We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, PIONEER ELECTRONICS and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

### Decibel

Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

### THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.



## ● HOW TO INSTALL ● MODE D'INSTALLATION ● INSTALACION ● COMO INSTALAR

A1

B1  
20 (3/4)  
mm (in.)  
φ 46 (1-3/4Dia.)

B2  
mm (in.)  
φ 10 (13/32Dia.)  
φ 4.5 (3/16 Dia.)

B3

C1  
mm (in.)  
11 (3/8) 19 (3/4)  
φ 57.5 (2-1/4Dia.) φ 52 (2Dia.)

C2

C3  
mm (in.)  
φ 52 (2Dia.)

C4

C5  
-6dB/oct.

C6

Fix the screw at the back side of the speaker with a hexagonal nut.  
 \* Please cut the screw to the appropriate length for installation.

Fixer la vis au dos de l'enceinte avec un écrou à 6 pans.  
 \* Couper la vis à la longueur voulue en fonction de l'installation.

Fije el tornillo al lado negro del altavoz con una tuerca hexagonal.  
 \* Corte el tornillo en la longitud apropiada para la instalación.

Fixar o parafuso no lado de trás da coluna de som com uma porca hexagonal.  
 \* Cortar o parafuso no comprimento adequado para a instalação.

### CAUTION

1. Do not use the speaker independently. To avoid breakage, be sure to use the specified network.
2. Make sure lead and speaker terminals do not contact metal.
3. When making connections, refer also to the instruction manual of the car stereo used.

### ATTENTION

1. Ne pas utiliser l'enceinte de façon indépendante. Pour éviter toute rupture, bien utiliser le réseau spécifié.
2. S'assurer que les fils et les bornes de haut-parleurs ne touchent pas une pièce métallique.
3. Le branchement s'opère après consultation de la notice d'instructions de l'autoradio qui est utilisé.

### PRECAUCION

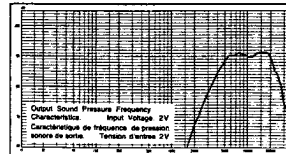
1. No emplee el altavoz independientemente. Para evitar su ruptura, cerciórese de emplear la red especificada.
2. Asegurarse de que los terminales del altavoz y el hilo conductor no están en contacto con el metal.
3. Para hacer la conexión consultar también el manual de instrucciones que se provee para el "reproductor".

### PRECAUÇÃO

1. Não use este alto-falante independentemente. Para evitar danos, assegure-se de usar a rede especificada.
2. Assegure-se de que o fio e os terminais do alto-falante não entrem em contacto com metal.
3. Quando da realização das conexões, favor referir-se também ao manual de instruções do estereo de carro que esta sendo usado.

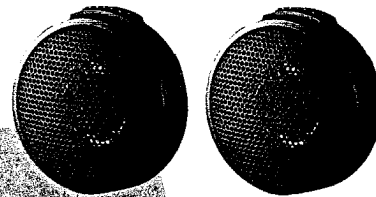
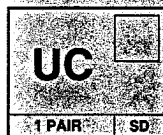
# TS-T110

Dome Tweeter **7/8"**



- MAX. MUSIC POWER 120W
- NOMINAL POWER 40 W
- CUTOFF FREQUENCY  $\geq 7,000\text{Hz}$  6dB/oct.
- HIGH PASS FILTER (HPF)
- SIZE  $\phi 7/8"$  ■ IMPEDANCE 4 OHMS
- SENSITIVITY 90dB/W (1m)
- FREQUENCY RESPONSE 2,500-30,000Hz
- GROSS WEIGHT 0.31kg 10.9oz

**120W MAX.**



# Pioneer

PIONEER ELECTRONIC CORPORATION

## TS-T110 120W MAX.

Car-use  
7/8" (22 mm)  
DOME TWEETER

HP D'aigu à Dome  
De 22 mm POUR  
AUTOMOBILE

Altavoz De Sonidos  
Agudos Abovedado  
22 mm PARA AUTOMÓVIL

Be sure to read the attached instruction manual before installing this speaker.

Prrière de lire obligatoirement le manuel d'installation ci-joint avant de monter le haut-parleur.

Antes de instalar el altavoz cerciórese de leer el manual de instrucciones adjunto.

Assegurar-se de que lê o manual de instruções anexado antes de instalar o alto-falante.

### ● SPECIFICATIONS

- Speaker specifications
  - Size .....  $\phi 22\text{mm}$  (7/8" Dia.) dome
  - Heat-resistant voice coil
  - Magnetic fluid
  - P.P.T.A diaphragm
  - Strontium magnet: 22g (0.8 oz)
- Nominal impedance ..... 4  $\Omega$
- Maximum music power [Nominal] ..... 120W [40W]  
(cutoff frequency  $\geq 7,000\text{Hz}$  with 6 dB/oct.)
- Frequency response ..... 2,500-30,000 Hz
- Weight (par speaker including accessory parts)  
..... 0.08 kg (2.82 oz)
- Gross weight (2 speaker including packaging) 0.31 kg (10.9 oz)

### ● ESPECIFICACIONES

- Especificaciones del altavoz .....  $\phi 22\text{mm}$  Altavoz de techo
- Bobina de voz resistente al calor
- Fluido magnético
- Diafragma con fibra de
- Diafragma de P.P.T.A
- Imán de estroncio: 22g
- Impedancia nominal ..... [Nominal] ..... 4  $\Omega$
- Máxima potencia musica [Nominal] ..... 120W [40W]  
(Frecuencia de corte  $\geq 7000\text{Hz}$  con 6 dB/oct.)
- Respuesta de frecuencia ..... 2.500-30.000 Hz
- Material de la rejilla .....  
..... Malla de acero, resina a prueba de calor
- Peso (por altavoz incluyendo accesorios) ..... 0,08kg
- Peso bruto (2 altavoces incluyendo embalaje) ..... 0,31kg

### ● CARACTERISTIQUES

- Spécifications des haut-parleurs
  - Diamètre .....  $\phi 22\text{mm}$  Haut-parleur à dôme
  - Bobine mobile résistante à la chaleur
  - Fluide magnétique
  - Diafragme en P.P.T.A
  - Aimant en strontium: 22g
- Impédance nominale ..... 4  $\Omega$
- Puissance musicale maximum [Nominale] ..... 120W [40W]  
(fréquence de coupure  $\geq 7.000\text{ Hz}$  avec 6 dB/oct.)
- Bande Passante ..... 2.500-30.000 Hz
- Matériau de grille ..... Grille métallique,  
resine résistante à la chaleur
- Poids (par haut-parleur pièces accessoires comprises) .....  
..... 0,08 kg
- Poids brut (2haut-parleurs emballage compris) ..... 0,31kg

### ● ESPECIFICAÇÕES

- Especificações do alto-falante .....  $\phi 22\text{ mm}$  Tweeter de domo
- Bobina de voz resistente ao calor
- Fluido magnético
- Diafragma P.P.T.A
- Magneto de estroncio: 22g
- Impedância nominal ..... [Nominal] ..... 4  $\Omega$
- Potência máxima de música [nominal] ..... 120W [40W]  
(Frequência decorte  $\geq 7,000\text{Hz}$  com 6dB/oct.)
- Resposta de frequência ..... 2.500-30.000 Hz
- Material de tela ..... Rede de aço, resina à prova de calor
- Peso (por alto-falante incluindo peças acessórias) ..... 0,08kg
- Peso bruto (2 Alto-falantes incluindo empacotamento) ..... 0,31kg

● PARTS INCLUDED  
● PIÈCES COMPRIS

● PIEZAS INCLUIDAS  
● PECAS INCLUIDAS

M4 X 10mm

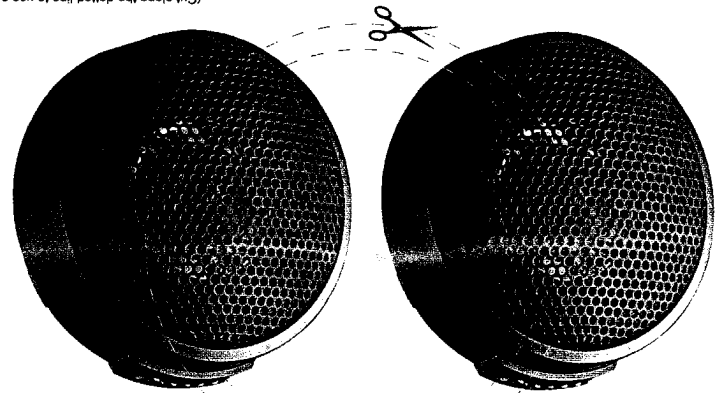
X2

M1 X 20mm

X2

# Pioneer

(Cut along the dotted line to use as a mounting template.)  
 (Couper le long des pointillés pour utiliser comme gabarit de montage.)  
 (Corte a lo largo de la línea de puntos para utilizarla como una plantilla de montaje.)



- PPTA DOME TWEETER / H.P. AIGU A DÔME EN PPTA
- MAX 120W (NOM. 40W)
- 500-30000Hz, 90dB/W (1m)
- FLUSH & SURFACE MOUNT CAPABILITIES / MONTAGE ENCASTRÉ ET EN SURFACE
- PAPER RECYCLED / PAPIER RECYCLÉ
- 6dB/OCT. HPF / FPH 6dB/OCT. SUR LIGNE

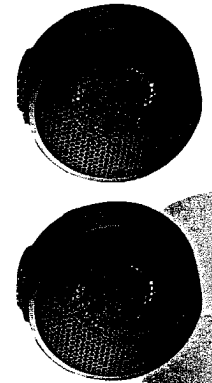
**TS-T110**  
 Dome Tweeter **7/8"**

**120W MAX.**



# Pioneer

PIONEER ELECTRONIC CORPORATION



**120W MAX.**

**TS-T110**  
 HP d'Aigu à Dôme **22mm**

**120W MAX.**

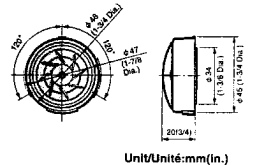
**22mm**

Dome Tweeter  
 HP d'Aigu à Dôme  
 Altavoz de Sonidos Agudos Abovedado

# TS-T110

## TS-T110

HP d'Aigu à Dôme **22mm**



Unit/Unité:mm (in.)

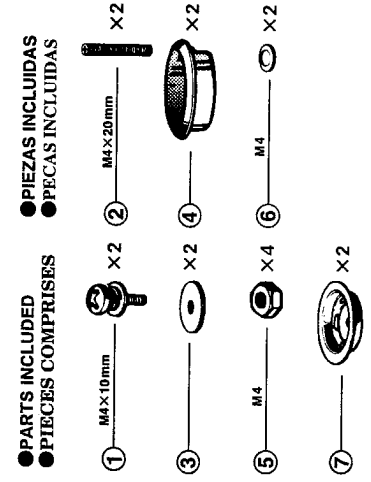
- PARTS INCLUDED  
 ● PIÈCES COMPRIS
- x2
  - x2
  - x4
  - x2
  - x2
  - x2

<b>UC</b>	
1 PAIRE	SD

- PUISSANCE MUSICALE MAXIMUM 120W
- PUISSANCE NOMINALE 40W
- FREQUENCE DE COUPURE  $\geq$  7.000Hz AVEC 6dB/OCT.
- FILTRE PASSE-HAUT (FPH)
- DIAMETRE  $\phi$ 22mm ■ IMPEDANCE 4 OHMS
- SENSIBILITE 90dB/W (1m)
- BANDE PASSANTE 2.500-30.000Hz
- POIDS BRUT 0,34kg

**120W MAX.**

# Pioneer



• This product does not contain connecting cords and terminals.  
 • Ce produit ne comprend pas de câbles et bornes de raccordement.  
 • Este producto con contiene cables de conexión ni terminales.  
 • Este produto não contém cabos e terminais de ligação.

