



# **TD508MK3**

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# **TD510MK2**

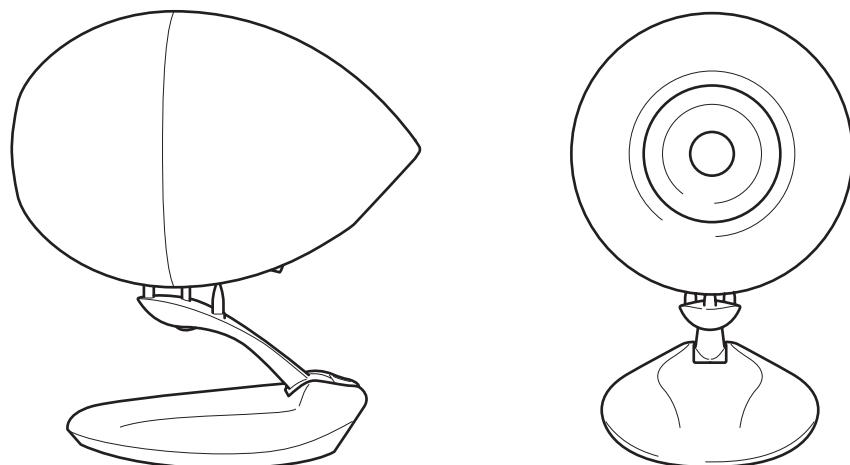
MANUAL No. EF-00150

ENGLISH

## **OWNER'S MANUAL**

- Thank you for purchasing this product.
- Please read this owner's manual thoroughly prior to carrying out installation and connections.
- Depending on the specific installation specialised skills maybe required. In such a case, please consult a qualified technician.
- Installation by two people is always advised.

Keep this Owner's Manual together with the Warranty Certificate in a safe place for later reference.



# Contents

ENGLISH

## Before installation

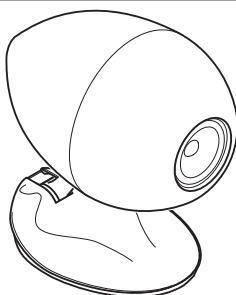
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## Parts list

*Check that all of the following items are present*



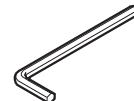
① Speaker



② Grille



③ Hexagonal wrench  
(large)

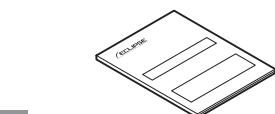


④ Hexagonal wrench  
(small)

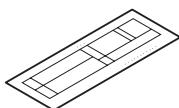


Included with  
TD510MK2 only

⑤ Plug



⑥ Owner's Manual



⑦ Warranty

×5

×1

×1

# Safety guidelines

The following WARNING and CAUTION signs are used throughout this owner's manual as well as on the product. These signs alert the installer and users of important safety information to avoid risk of injury and damages to the product. Make sure that you understand these signs thoroughly before reading this manual.



## Warning

The instructions which follow this sign indicate situations where failure to follow the instructions may result in death or severe injury.



## Caution

The instructions which follow this sign indicate situations where failure to follow the instructions could cause injury when using the product or physical damage to equipment and surroundings.



## Tip

This section contains information that can help to prevent problems and damage to the unit, and also contain other useful information.



## Warning

- Do not open the unit as this may cause electric shock or injury. For repair or maintenance, please contact a Customer Service Center. Do not attempt to modify the unit. This may cause fire or electric shock, and invalidate the warranty.
- Do not place the unit in the bathroom or anywhere exposed to rain. Do not use the unit in places with high humidity. This may cause fire or electric shock. Be particularly careful when using the unit in rainy weather or when it is snowing, at the beach or near water. Do not place above or near the unit, any flower vases, plant pots, cups, makeup, medicine or any vessel containing liquid or any small metal objects. In case any liquid or small metal objects enter the unit, fire or electric shock may result.



## Caution

- The unit should be placed on a hard, flat surface. Placing the unit on an unstable surface may cause it to fall over and cause injury.
- Do not climb on or swing from the unit. In particular, care should be exercised when children are present. The unit may fall or break and cause injury.

# Checklist before use

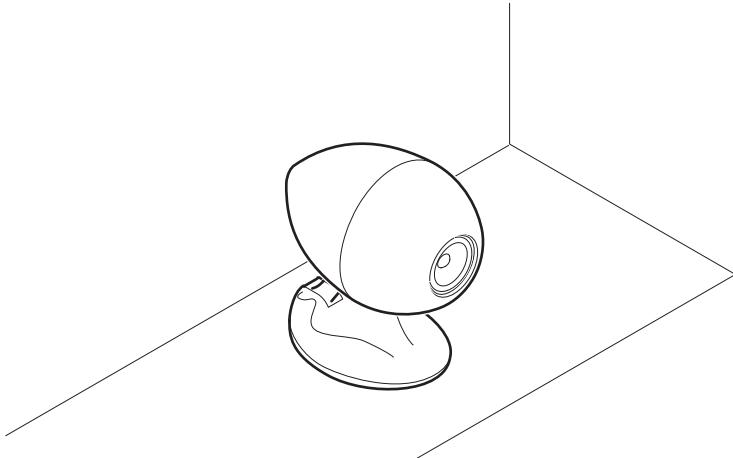
- Be sure to set the volume to the minimum level before turning on the power supply for connected equipment and before switching the input source. Sudden high levels of output can cause damage to the connected speaker system.
- Even pleasant music can be a disturbance at times. To avoid disturbance in your neighborhood, enjoy your unit at an appropriate volume. Remember that at night, even low volume carries into surrounding areas. Help to maintain a pleasant living environment.
- Always be sure to turn off the power supply for the connected equipment before connecting the speaker.
- Be careful not to tip over the stand.
- Clean the unit by wiping it gently with a soft cloth moistened in neutral detergent. Do not use liquid solvents such as alcohol or thinner to clean this product.

# Speaker installation example

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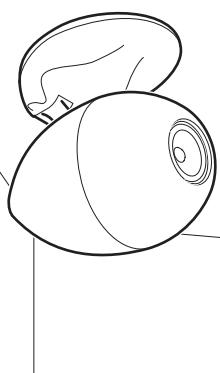
## Installation on a floor or shelf

- Make fine adjustments to the speaker angle. ➡Refer to P.32.
- Adjust the angle of the speaker arm. ➡Refer to P.34.



## Ceiling installation

- Installation summary ➡Refer to P.37.
- Determine the speaker installation angle. ➡Refer to P.38 - 39.
- Install the speaker on the ceiling. ➡Refer to P.41 - 47.
- Make fine adjustments to the speaker angle. ➡Refer to P.32.



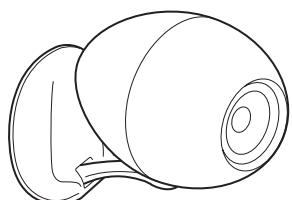
### Tip

The CB1 mounting bracket available separately should be used to provide the most flexible installation.

## Wall mounting

**TD508MK3 only**

- Installation summary ➡Refer to P.37.
- Determine the speaker installation angle. ➡Refer to P.40.
- Install the speaker on the wall. ➡Refer to P.41 - 47.
- Make fine adjustments to the speaker angle. ➡Refer to P.32.



### Caution

The only speaker which can be installed on a wall is the TD508MK3. The TD510MK2 cannot be installed on a wall.

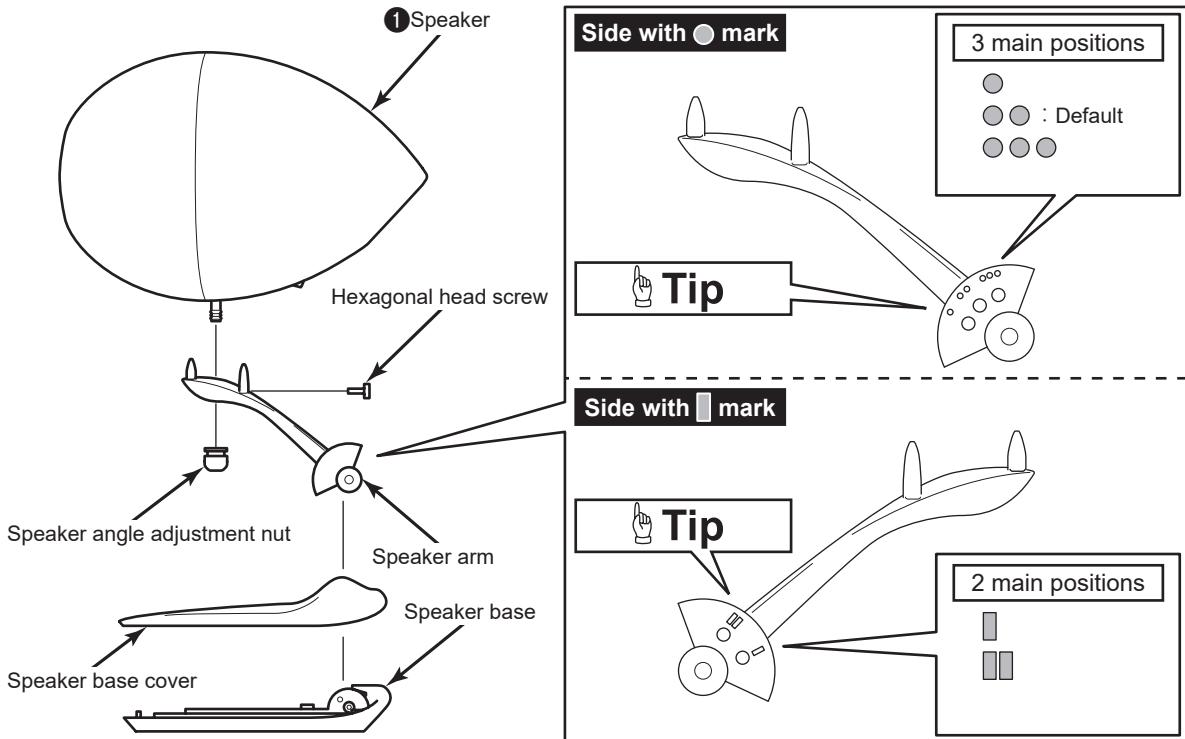
### Tip

The CB1 mounting bracket available separately should be used to provide the most flexible installation.

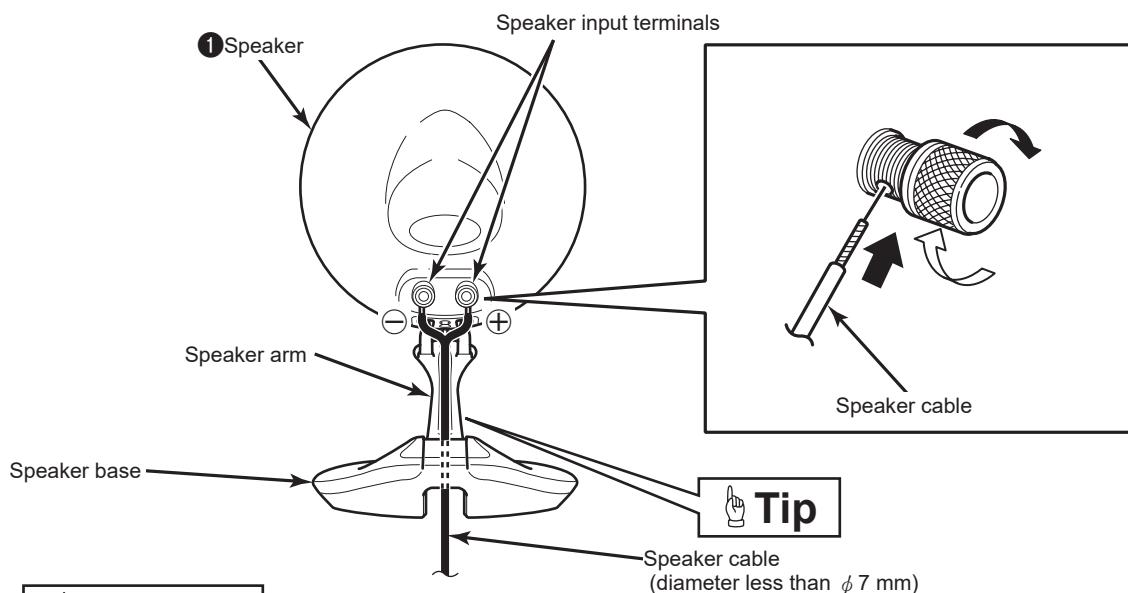
# Parts and connections

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\*The diagrams are for the TD508MK3 are the same for the TD510MK2.



The marks on the speaker arm can be used as a guide when adjusting the angle of the speaker arm.



When connecting the speaker wires, insert the bare ends of the speaker wires correctly so that they do not touch neighboring terminals, otherwise it may cause short-circuits.



## ■ For speaker cable diameter $\phi$ 7 mm or less

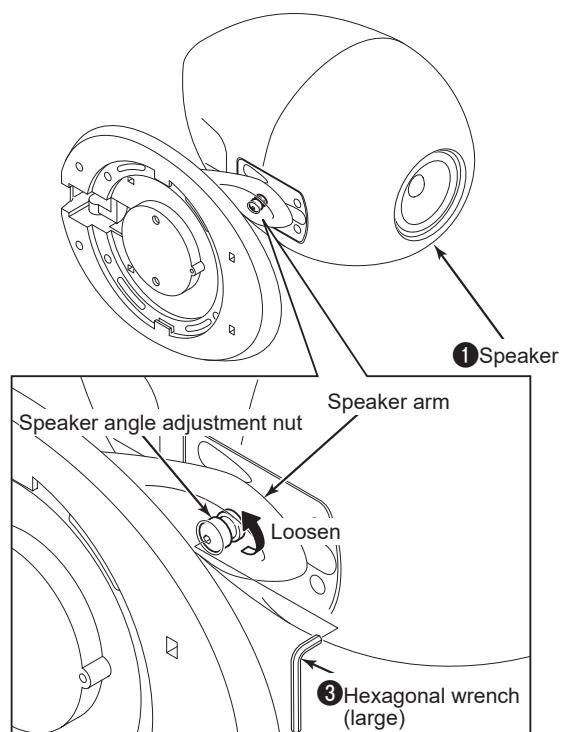
If the speaker cable is passed through the cable holes in the speaker base and the speaker arm, it will improve the outer appearance of the speaker.

## ■ For speaker cable diameter $\phi$ 7 mm or more

The speaker cable cannot be passed through the speaker arm, so route it along the outside.

# Adjusting the speaker angle

- 1 Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.
- 2 Place the speaker on its side.
- 3 Loosen the speaker angle adjustment nut on the under side of the speaker arm.



- 4 Stand the speaker upright.
- 5 Adjust the speaker to the desired angle.

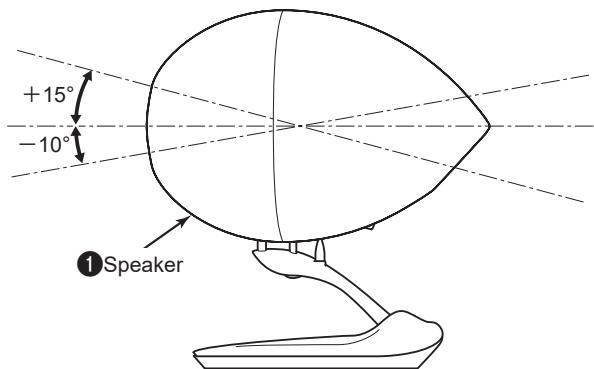
## ⚠ Caution

Be careful not to let the speaker stand fall over while adjusting the angle.



## Tip

The angle of the speaker can be adjusted within the range of +15° to -10°.



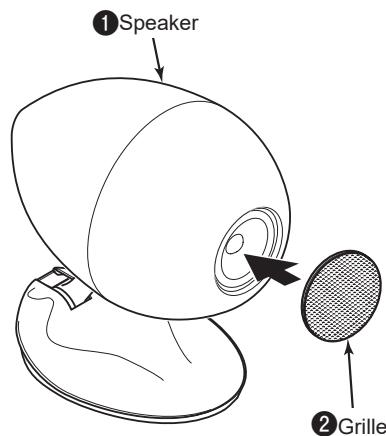
- 6 Securely tighten the speaker angle adjustment nut.

# Installing the speaker grille

- 1 Install the grille as shown in the illustration.

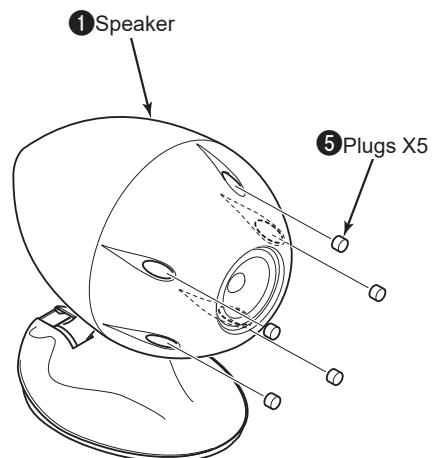
## Tip

- The grille may be attached when the speaker is not in use or at the users discretion.
- Clip the edge of the grille to secure it.



## ■ TD510MK2 only

- 2 Install the plugs as indicated.



# On a floor or shelf

ENGLISH

## – Adjusting the angle of the speaker arm –

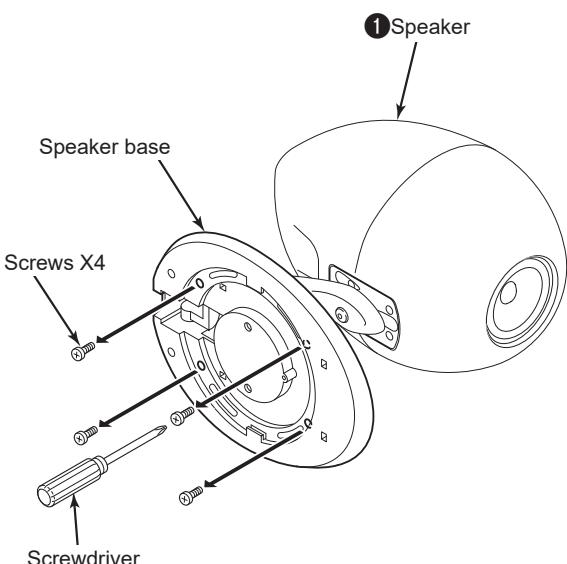
### Tip

- If you wish to use the speaker at the standard angle position (as it is when removed from its packaging), there is no need to adjust the angle.
- You can increase the speaker angle by 15° from its standard position (as it is when removed from its packaging) by adjusting the speaker arm. (The angle of the speaker [including fine adjustments→refer to P.32] can be adjusted by up to a maximum of +30°.)

**1** Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

**2** Place the speaker on its side.

**3** Remove the screws from the bottom of the speaker base and keep to hand for use later.



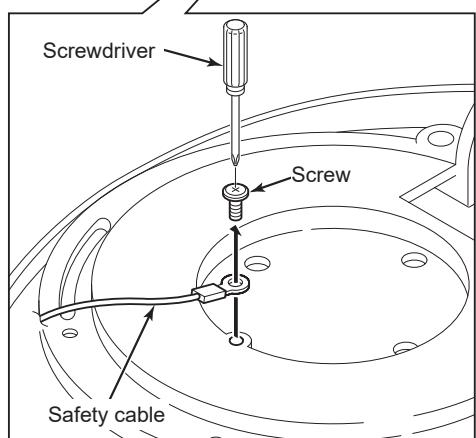
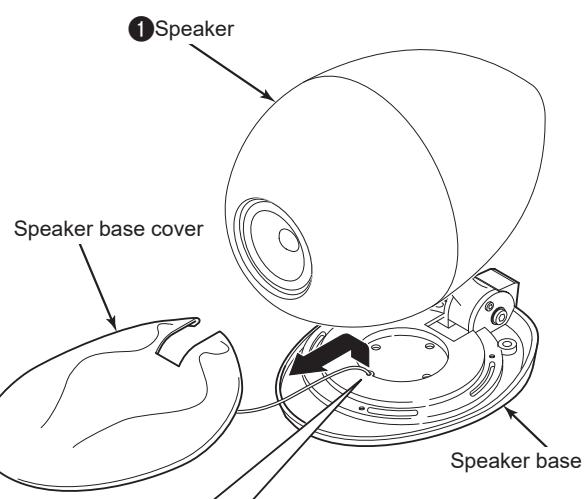
**4** Stand the speaker upright.

**5** Remove the cover from the speaker base.

**6** Remove the safety cable from the speaker base.

### Tip

Keep screws to hand for use later.



7 Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

8 Place the speaker on its side.

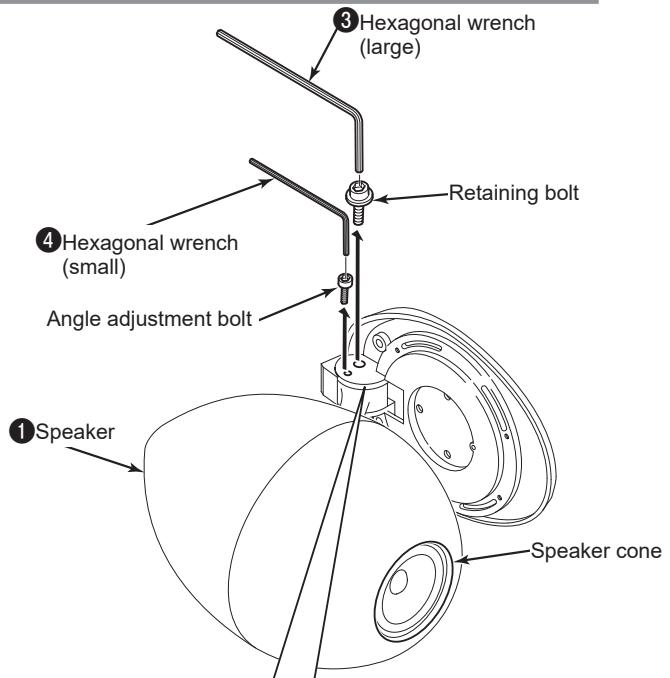
9 Remove the retaining bolt and the angle adjustment bolt from the speaker arm side with the ● mark.

### **⚠ Caution**

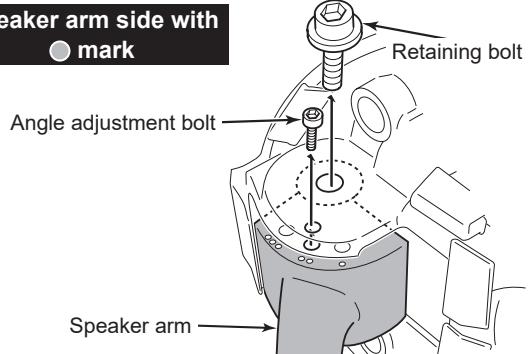
- When the retaining bolt and locking screw have been removed, ensure the speaker does not fall forwards so neither the cone or cabinet is damaged.
- Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

### **Tip**

The fixing holes at the ● and ○○● marks on the speaker arm will not be used.



### **Speaker arm side with ● mark**



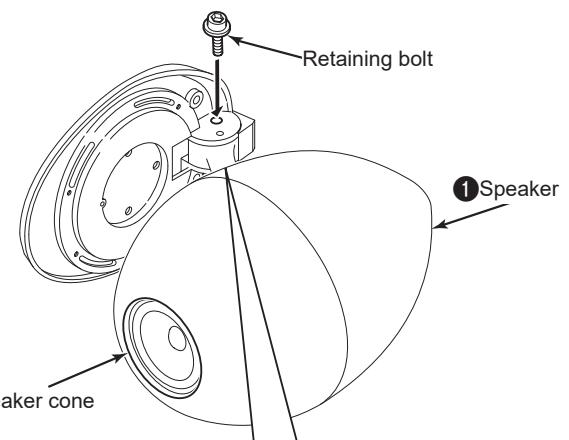
10 Install the retaining bolt to the speaker arm side with the ■ mark.

### **⚠ Caution**

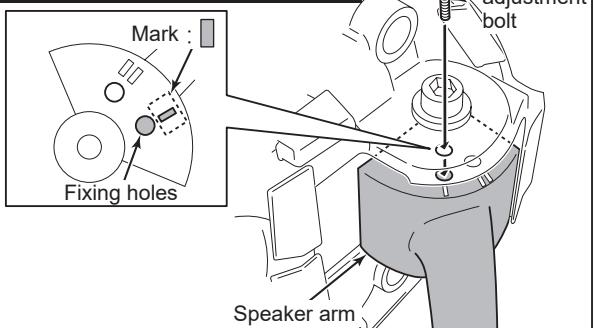
- When the retaining bolt and locking screw have been removed, ensure the speaker does not fall forwards so neither the cone or cabinet is damaged.
- Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

### **Tip**

Remember to refit the locking bolt after adjusting the angle.



### **Speaker arm side with ■ mark**



11 Set the angle of the speaker arm so that it is aligned with the ■ mark, and then tighten the angle adjustment bolt.

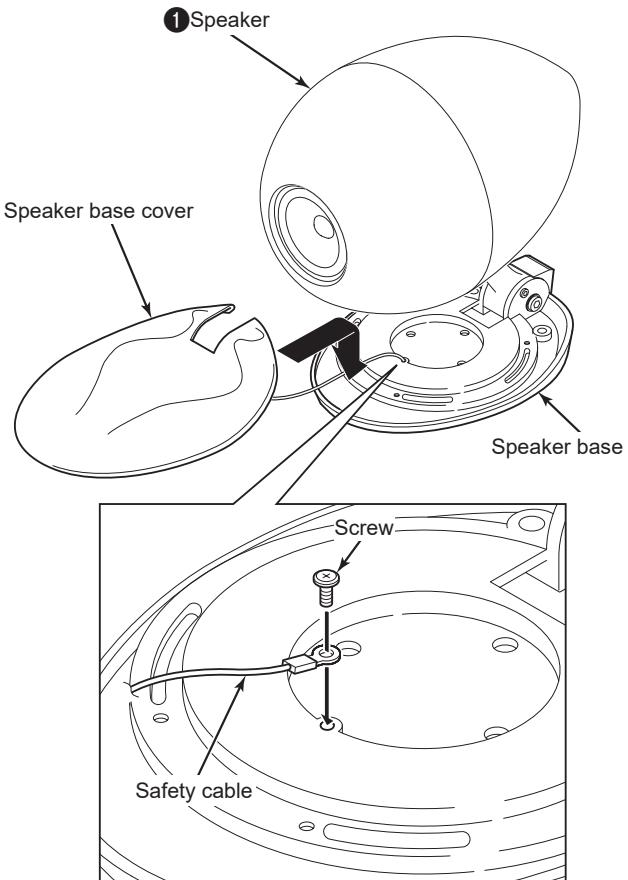
### **Tip**

The fixing hole at the ■■ mark on the speaker arm will not be used.

12 Stand the speaker upright.

13 Replace the safety cable, fixing to the base as shown.

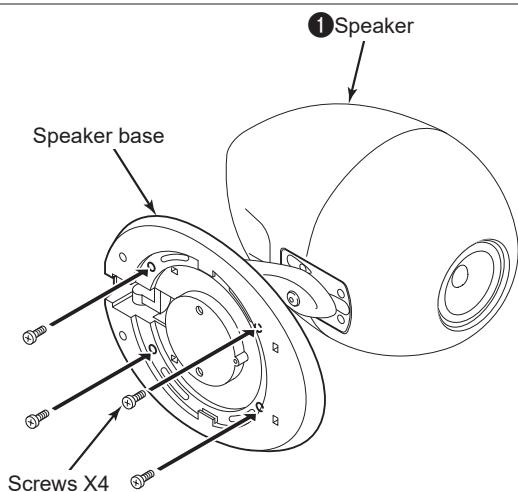
14 Install the cover over the speaker base.



15 Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

16 Place the speaker on its side.

17 Install the screws from the bottom of the speaker base.



# On a ceiling or wall

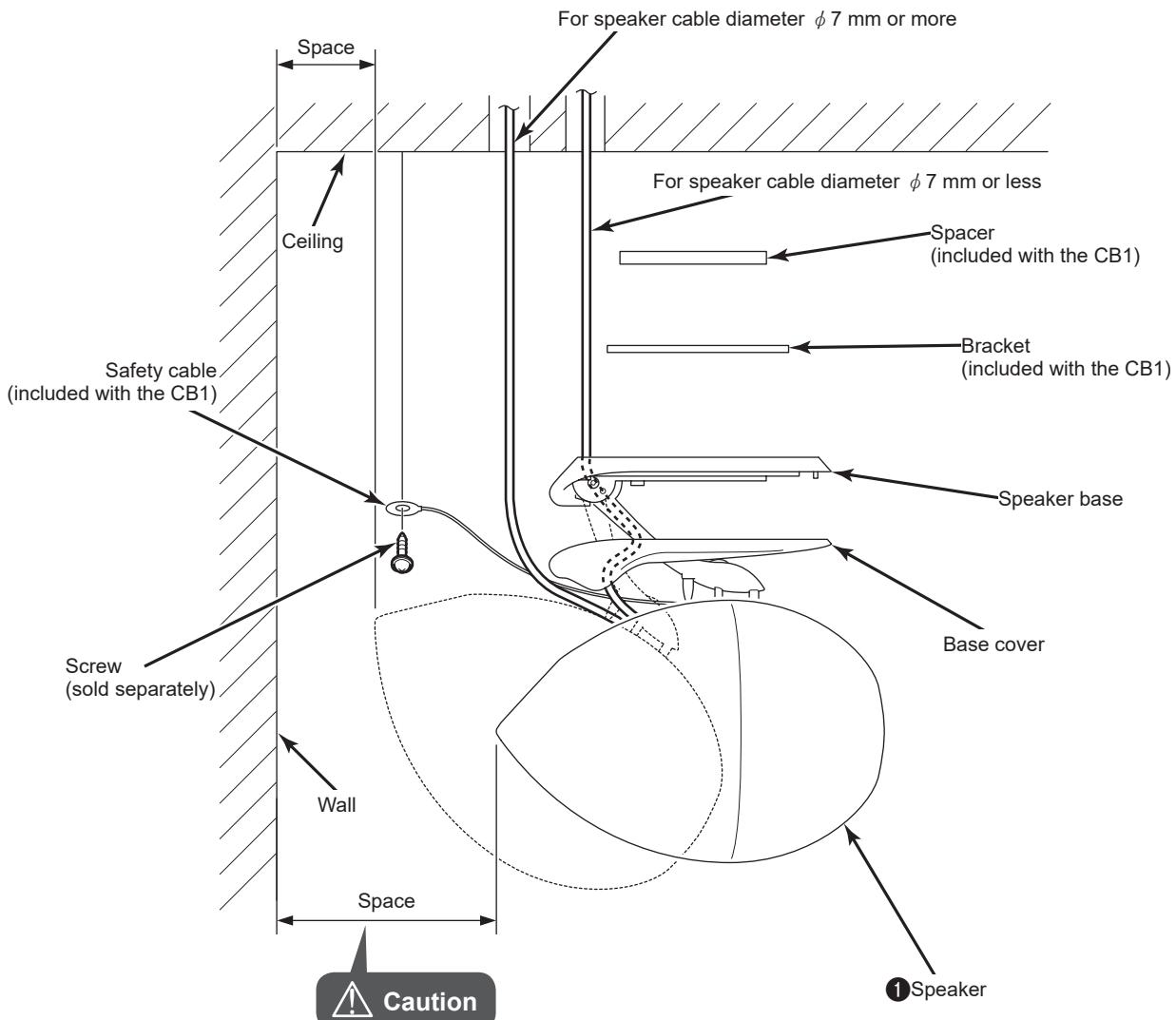
(The bracket (CB1) which is sold separately is required.)

This product can be installed on ceilings and walls. If installing on a ceiling or a wall, you will need to use extra screws (sold separately). When installing the speaker, be sure to fit the safety cable (included with the CB1).

## ⚠ Caution

- Please read this owner's manual thoroughly prior to carrying out installation and connections.
- Depending on the specific installation specialised skills maybe required. In such a case, please consult a qualified technician.
- Installation by two people is always advised.
- Please note the screws for fixing the product and safety cable to the ceiling are NOT supplied.

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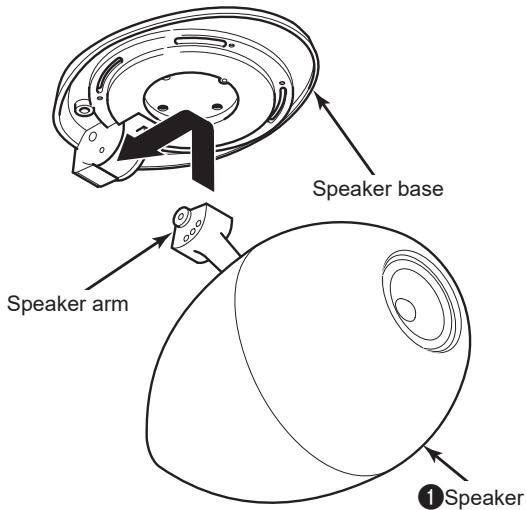


## ⚠ Caution

Leave enough space so that the rear of speaker does not touch the ceiling or wall.

## – Installing on a ceiling (installation example) –

## ■ Standard speaker arm type



- 1** Select an installation method for the speaker arm in accordance with the speaker installation angle that will be used at the installation location.

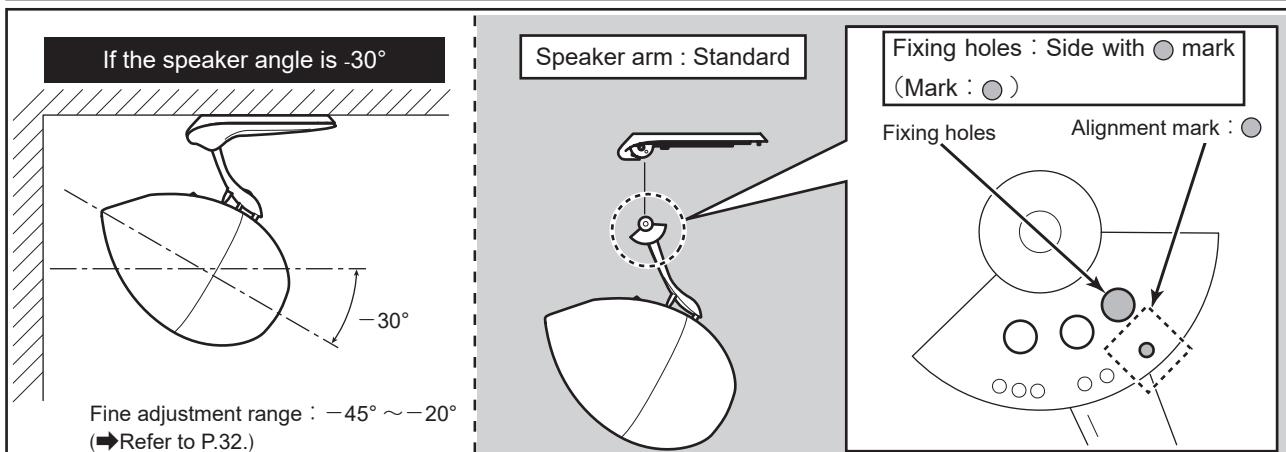
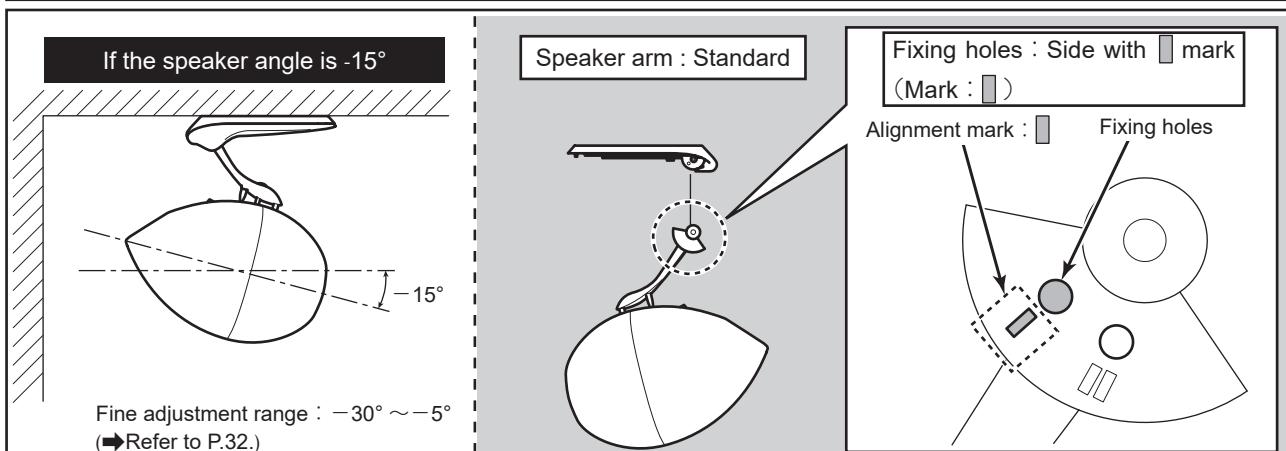
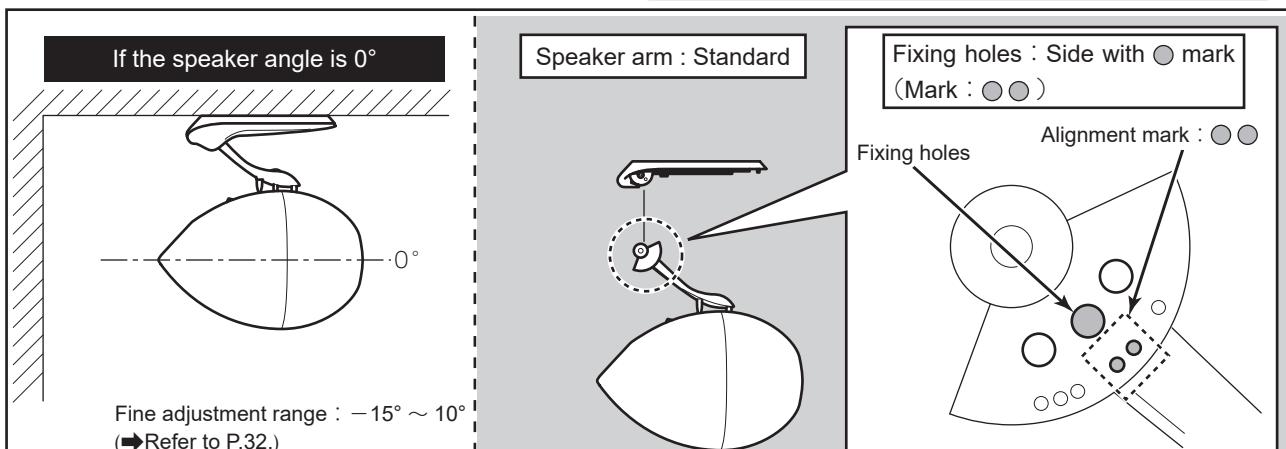
**Tip**

- The installation angle can be varied within a wide range by means of the direction of the speaker arm and the fixing holes used.
- For examples of the speaker angles, refer to the installation examples on pages 38 and 39.
- The position of the fixing hole (mark) is important when assembling the speaker and the speaker arm. For details, refer to "Assembling the speaker" on P.46.

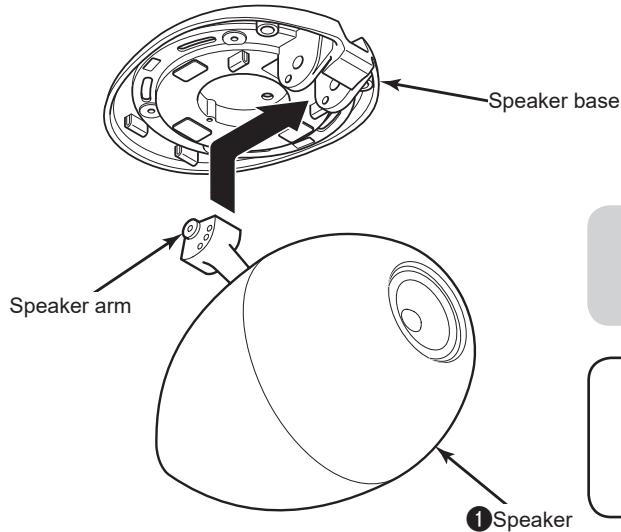
- 2** Install the speaker on the ceiling.

**Tip**

For details on the installation procedure, refer to P.41 - 47.



## ■ Reverse speaker arm type

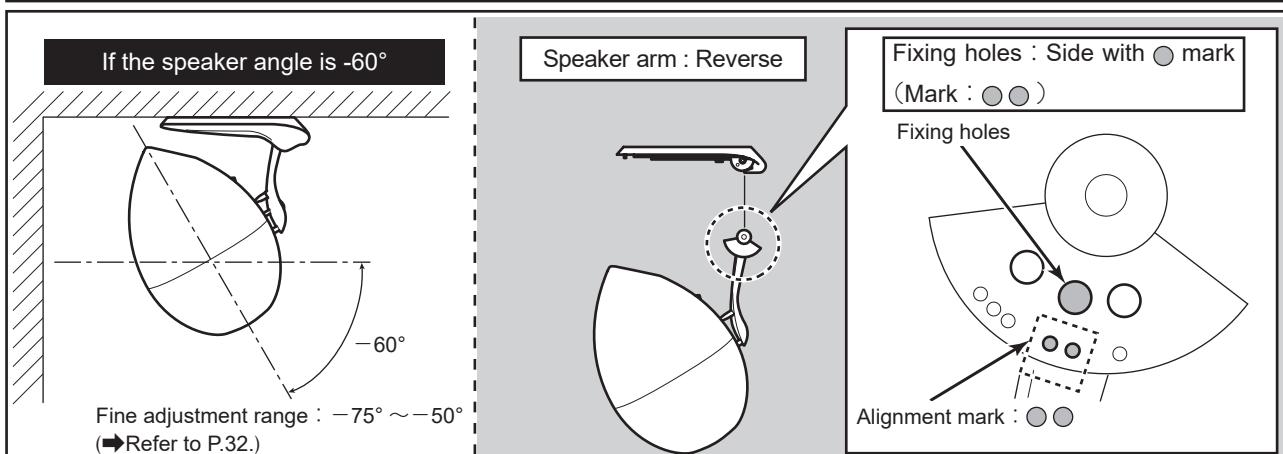
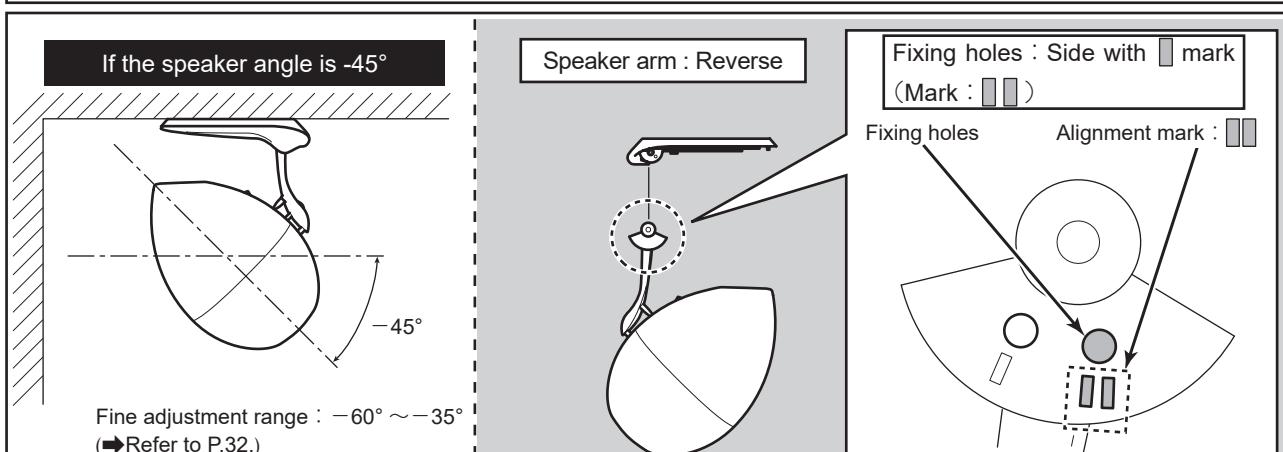
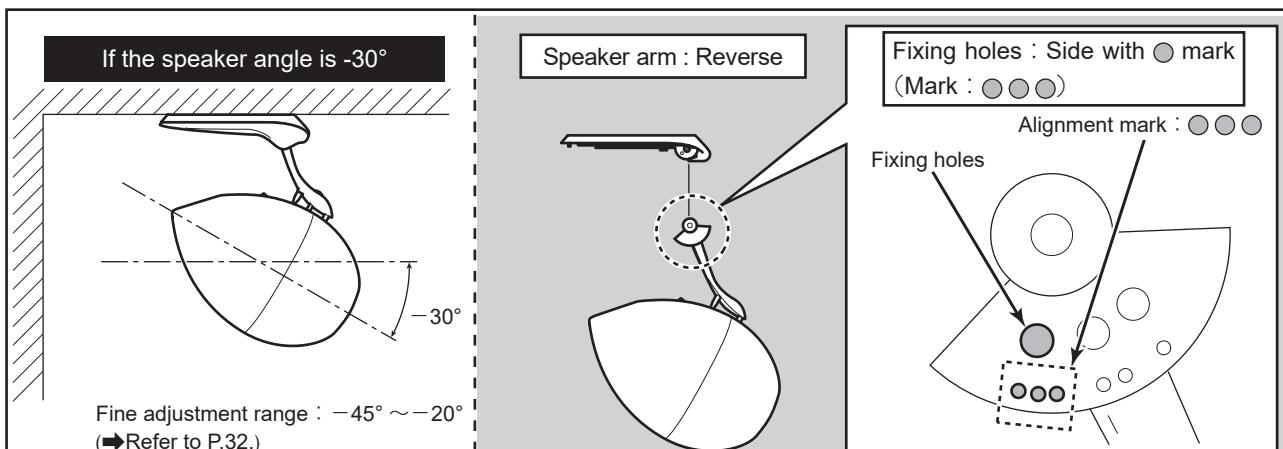


### Caution

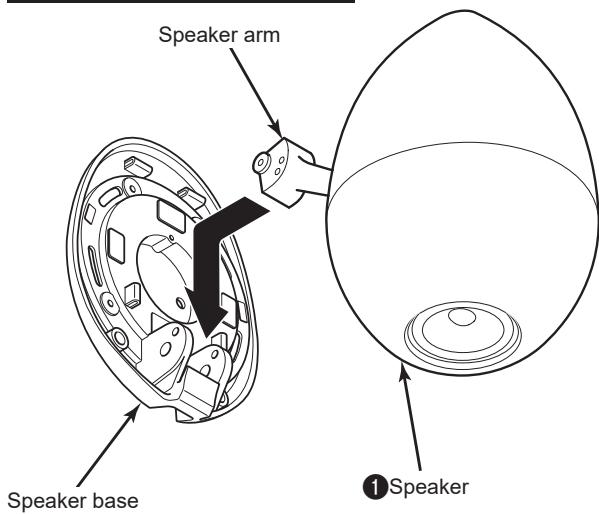
Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

### Tip

The position of the fixing hole (mark) is important when assembling the speaker and the speaker arm. For details, refer to "Assembling the speaker" on P.46.



## – Installing on a wall (installation example) –

**For the TD508MK3****Caution**

The only speaker which can be installed on a wall is the TD508MK3. The TD510MK2 cannot be installed on a wall.

- 1** Select an installation method for the speaker arm in accordance with the speaker installation angle that will be used at the installation location.

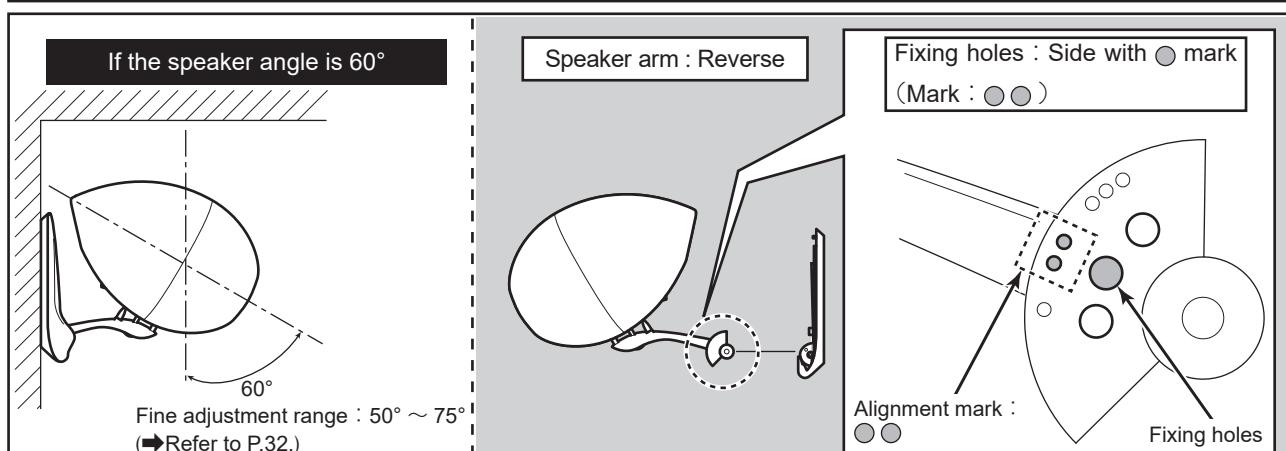
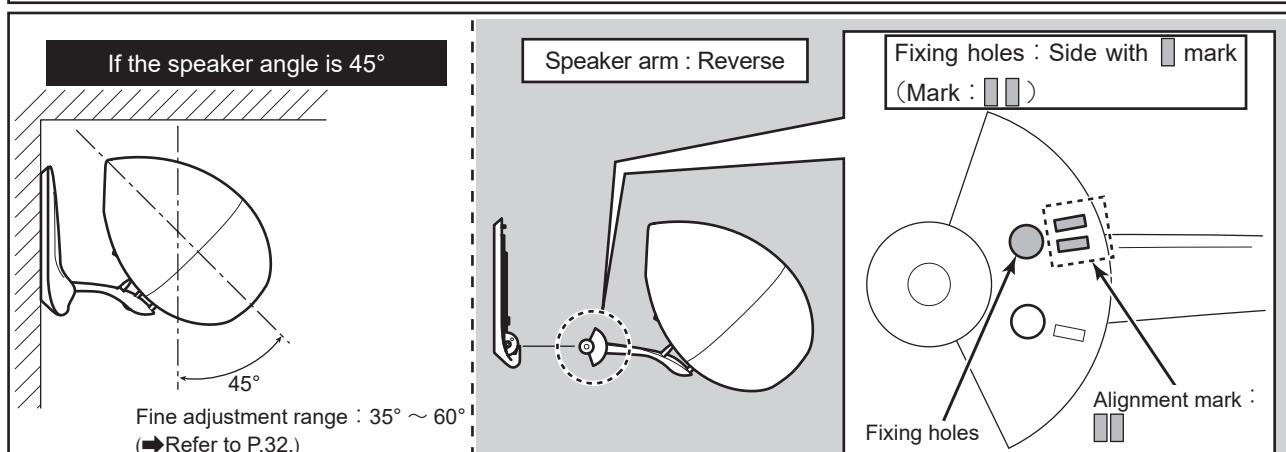
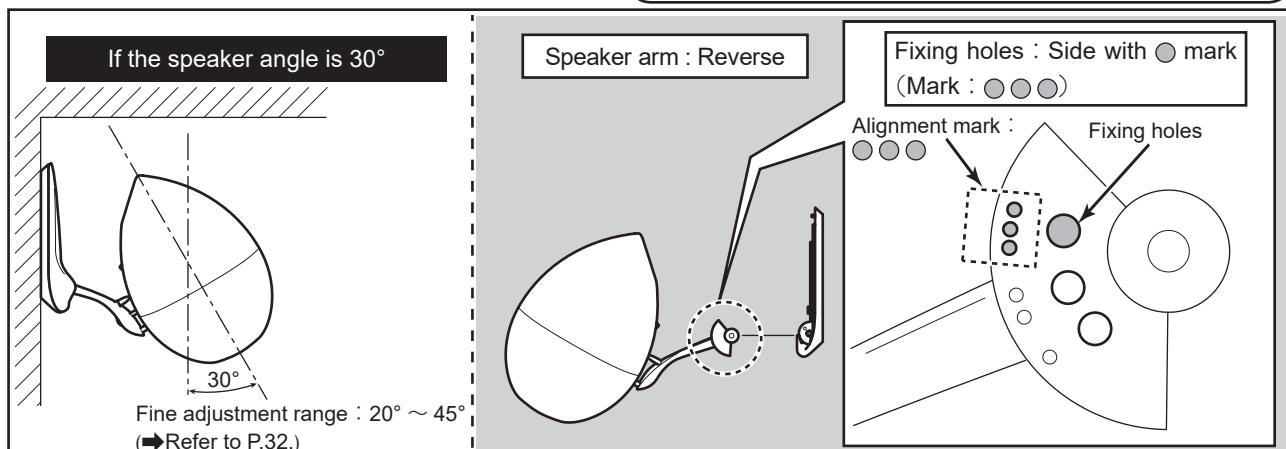
**Tip**

- If installing the speaker on a wall, the direction of the speaker arm is reversed.
- The position of the fixing hole (mark) is important when assembling the speaker and the speaker arm. For details, refer to "Assembling the speaker" on P.46.

- 2** Install the speaker on the wall.

**Tip**

For details on the installation procedure, refer to P.41 - 47.



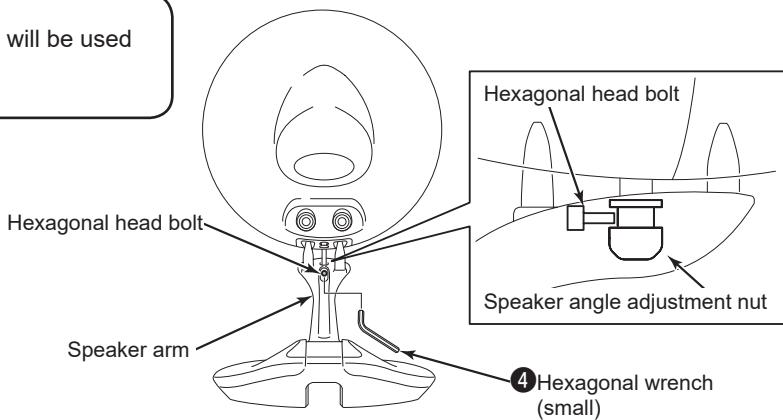
## – Preparation for installation –

- 1** Remove the hexagonal head bolt from the speaker arm.



The hexagonal head bolt which is removed will be used later, so be careful not to lose it.

Rear view of the speaker



- 2** Spread a soft cloth over the floor in order to prevent damaging the surface of the speaker.

- 3** Place the speaker on its side.

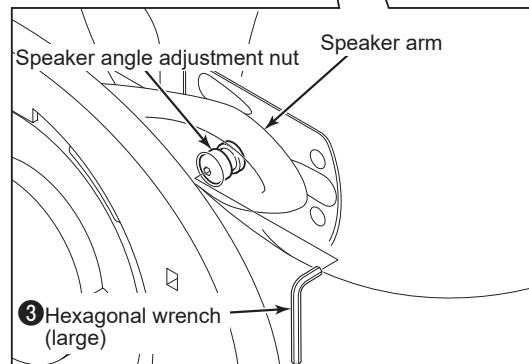
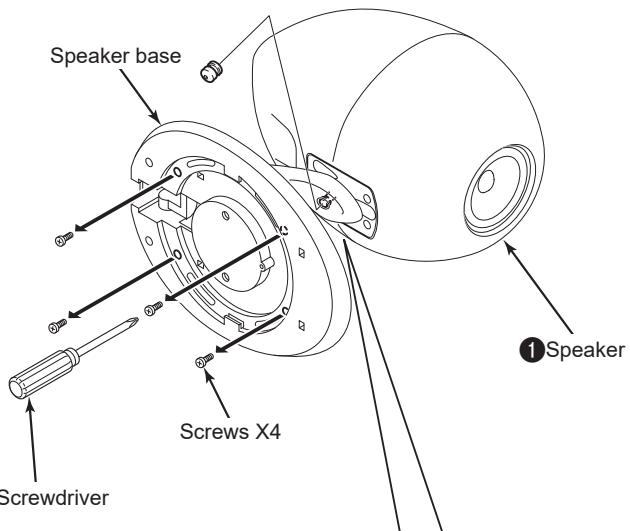
- 4** Remove the screws from the bottom of the speaker base and the speaker angle adjustment nut from the speaker arm.



Retain the adjustment nut as it will be required to lock the unit in position.



The 4 cover retaining screws can be kept with the packing for future use.



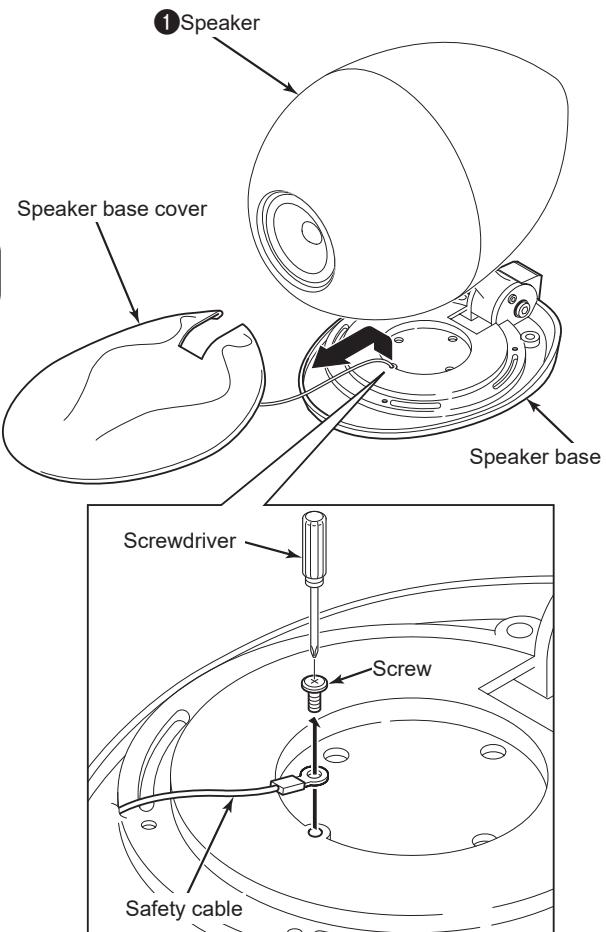
5 Stand the speaker upright.

6 Remove the base cover.

7 Remove the safety cable from the speaker base.

**Tip**

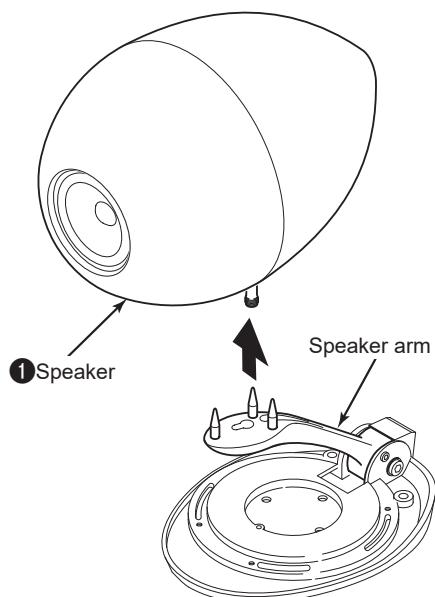
Remember to retain the screw as it will be used later.



8 Lift up the speaker to remove it from the speaker arm.

**Caution**

- The speaker is heavy, so hold it firmly while removing it from the speaker arm.
- After removing the speaker, place it on a surface that will not mark it or allow it to roll around.



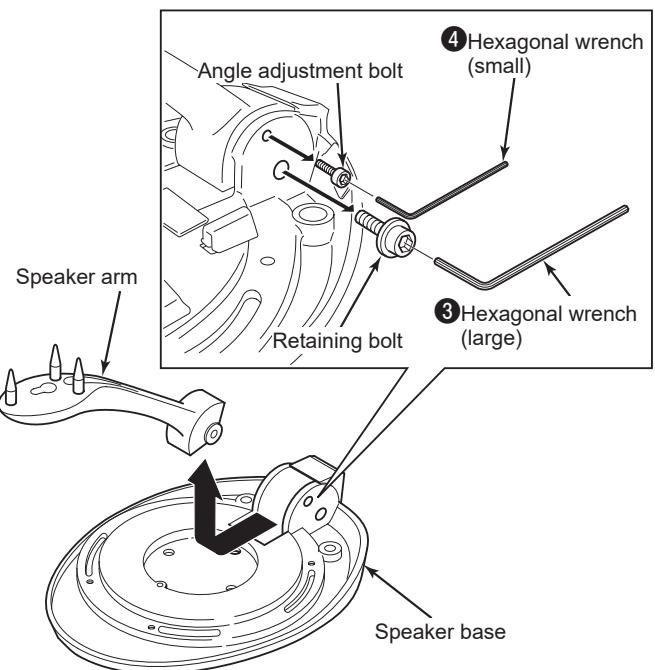
- 9** Remove the retaining bolt and the angle adjustment bolt, and then lift the speaker arm from the speaker base.

**Caution**

Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

**Tip**

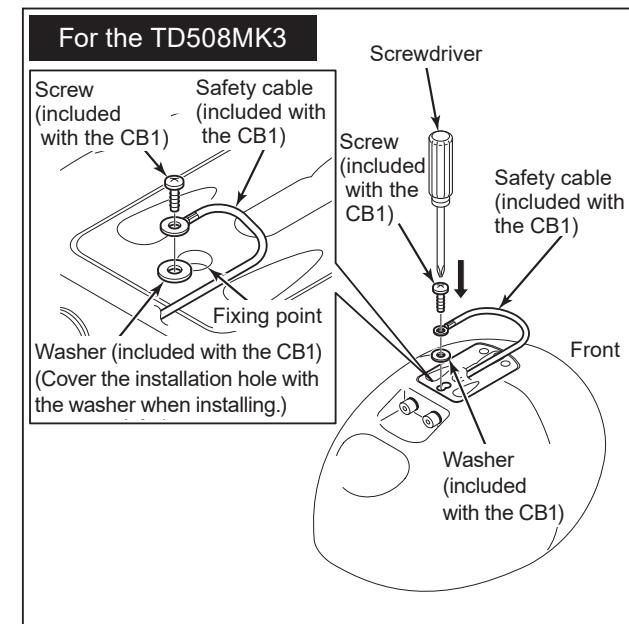
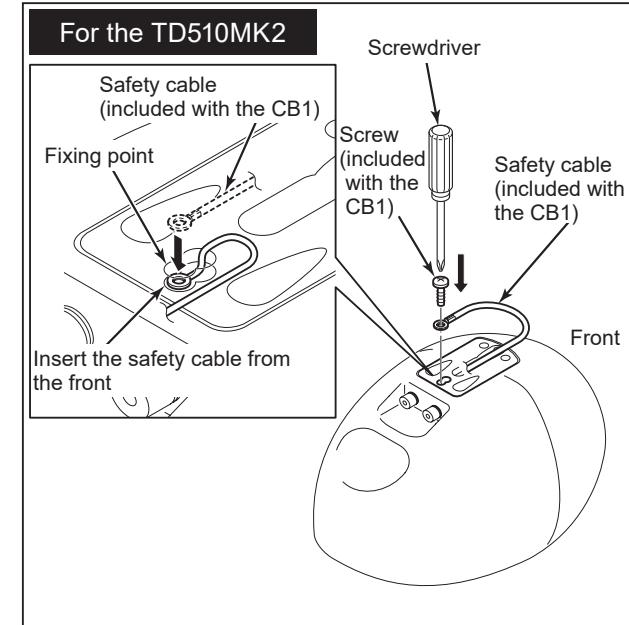
The retaining bolt and angle adjustment bolt will be used later, so keep them to hand.



- 10** Install the safety cable to the bottom of the speaker.

**Caution**

- For the TD510MK2, insert the safety cable (included with the CB1) into the fixing point from the front.
- For the TD510MK2, use the screw (pan M4x8) which is included with the CB1. Make sure that the screw installation hole is correct.
- For the TD508MK3, use the screw (pan M5x12) and the washer which are all included with the CB1.
- Securely connect the safety cable to the speaker to prevent the speaker from falling down.
- Place the speaker on top of the soft cloth while working so as not to damage the speaker.



## – Installing the bracket –

### Tip

The illustration shows the speaker being installed on a ceiling, but carry out the same procedure if installing the speaker to a wall.

- 1 Use the template in the back of this manual to determine the speaker installation position on the ceiling, and attach the template to the ceiling with tape.

### Tip

Use scissors or similar to cut the template.

- 2 Use an awl or similar tool to mark the positions of the bracket mounting holes.

- 3 Remove the template from the ceiling.

- 4 Peel off the backing paper from the double-sided tape on the spacer, and then attach the spacer to the bracket.

- 5 Attach the bracket to the spacer installation position with the correct screws for the location.

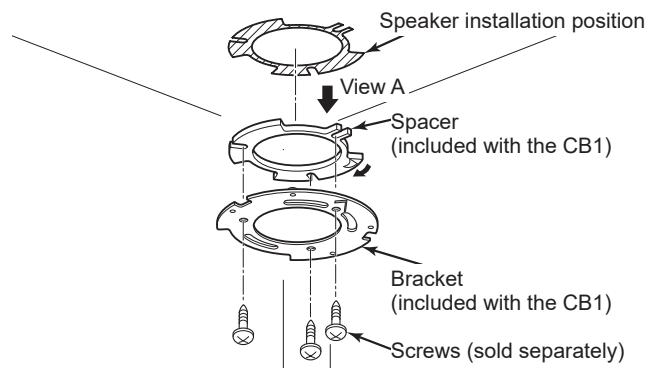
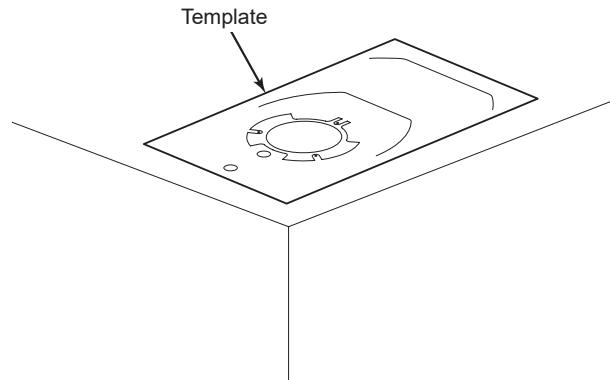
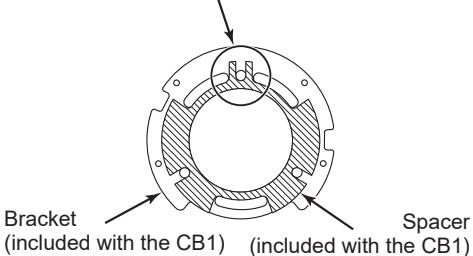


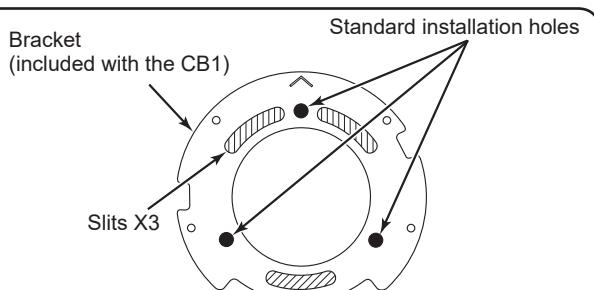
Figure A

Attach to the surface without the [Λ] mark.



### Tip

- When installing the bracket to the ceiling or wall, vary the positions and number of screws used in accordance with the strength of the ceiling or wall and the locations of beams.
- If the installation location is not strong enough when the standard installation holes are made, install more screws using the slits marked with  in order to increase the installation strength.



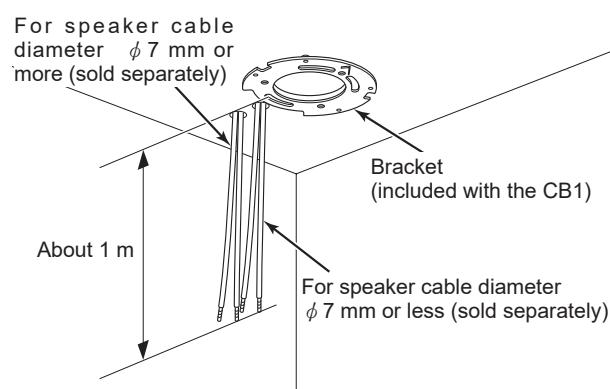
- 6 Route the speaker cable.

### Tip

- Leave an excess length of about 1 m when routing the speaker cable in order to make it easier to connect the speaker cable to the speaker.

#### ■ For speaker cable diameter $\phi$ 7 mm or less

If you route the speaker cable inside the bracket, it will improve the outer appearance of the speaker.

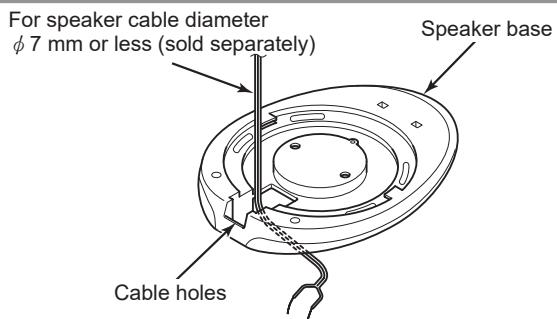


- 7** Route the speaker cable.

**Tip**

**For speaker cable diameter  $\phi$  7 mm or less**

If the speaker cable is passed through the cable holes in the speaker base, it will improve the outer appearance of the speaker.



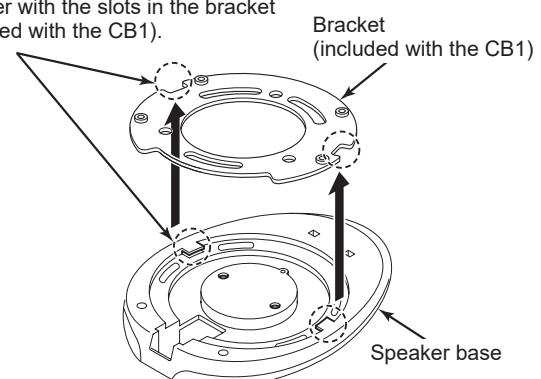
- 8** Insert the tabs on the speaker base into the grooves in the bracket.

- 9** Turn the speaker base to hook the tabs on the speaker base into the bracket.

**Caution**

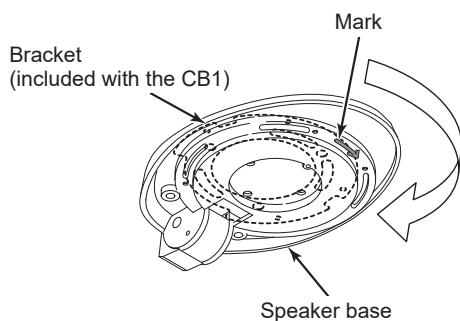
- Align the tabs on the speaker base and the grooves in the bracket, and then securely fit the speaker base onto the bracket. If the speaker base and the bracket are not securely locked together, there is the danger that the speaker base may fall down.
- Be careful not to clamp the speaker cable with the speaker base, the bracket or the ceiling.

Align the projections on the speaker with the slots in the bracket (included with the CB1).



**Tip**

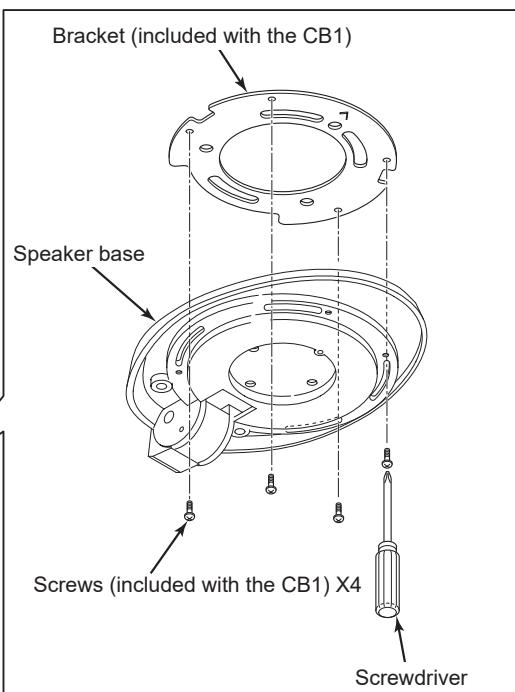
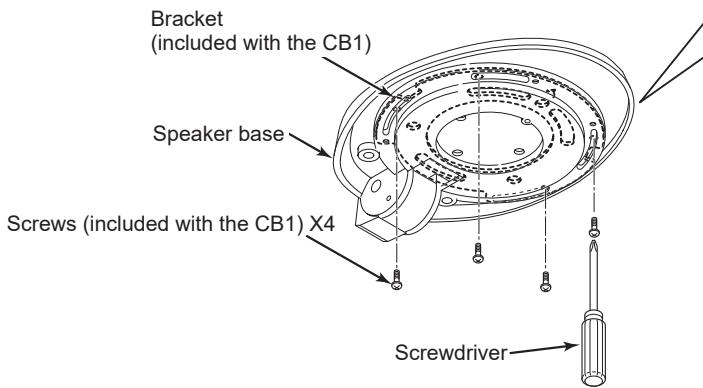
When securing the speaker to the bracket, turn the speaker base in the direction of the arrow marked on the speaker base to secure it. The illustration shows the TD508MK3.



- 10** Securely install the speaker base to the bracket.

**Caution**

- Loosen the screws of the speaker base, and then turn the speaker base to the left or right in steps of 10° to adjust.
- When adjusting the direction of the speaker base, never remove the screws, otherwise the speaker base may fall down.

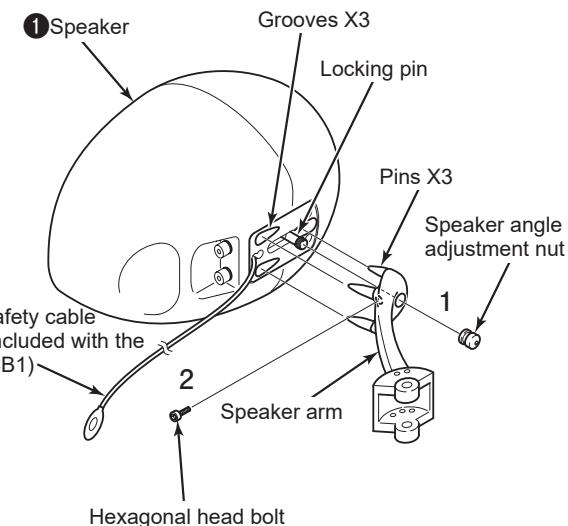


## – Assembling the speaker –

- 1** Insert the locking pin of the speaker into the hole in the speaker arm, and then secure it by tightening the speaker angle adjustment nut.

### Tip

Insert the locking pin into the hole in the speaker arm, and align the three pins with the grooves in the speaker.



- 2** Tighten the hexagonal head bolt into the speaker arm.

- 3** Assemble the speaker arm to the speaker base.

### Caution

Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

### Tip

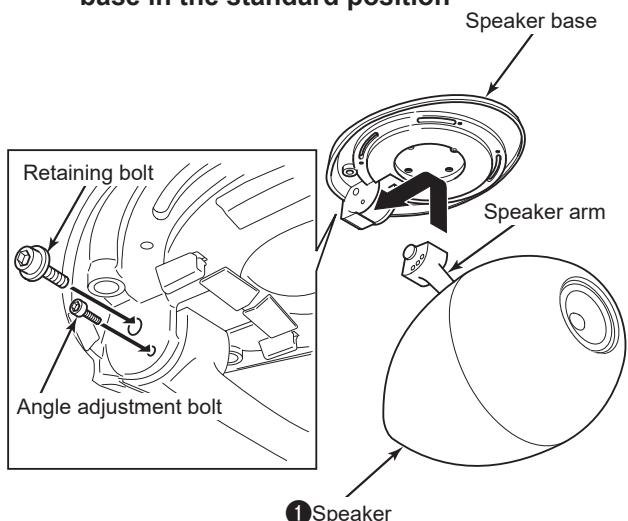
- Adjust the angle of the speaker when installing the speaker arm.
- When adjusting the angle of the speaker, refer to P.38 – 40 for details of the mark alignment positions.

- 4** Tighten the retaining bolt and the angle adjustment bolt.

### Caution

Be careful not to get your hand or fingers caught in the movable part of the speaker arm.

### If installing the speaker arm to the speaker base in the standard position

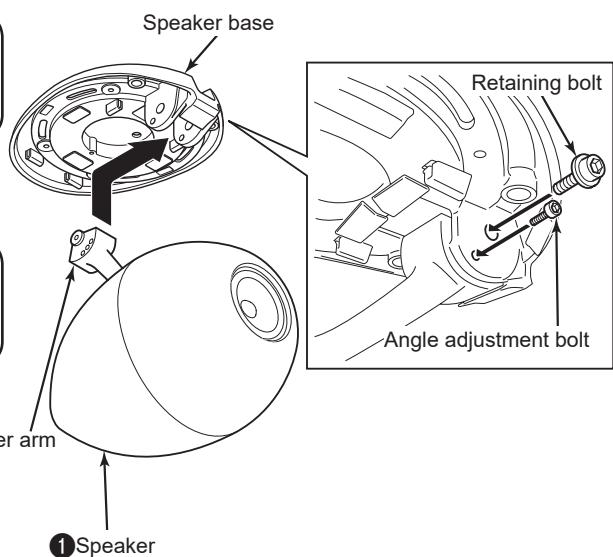


- 5** Make fine adjustments to the speaker angle.

### Tip

For details on making fine adjustments to the speaker angle, refer to "Adjusting the speaker angle" on P.32.

### If installing the speaker arm to the speaker base in the reverse position



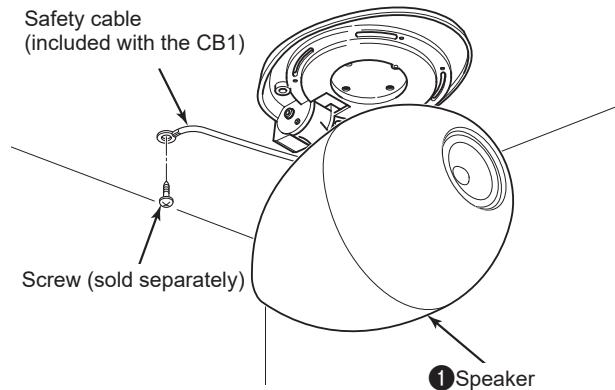
- 
- 6 Fix the safety cable securely to the surface so unit cannot fall.

**Caution**

If the product is not securely fixed, there is a risk it could fall causing injury and or damage.

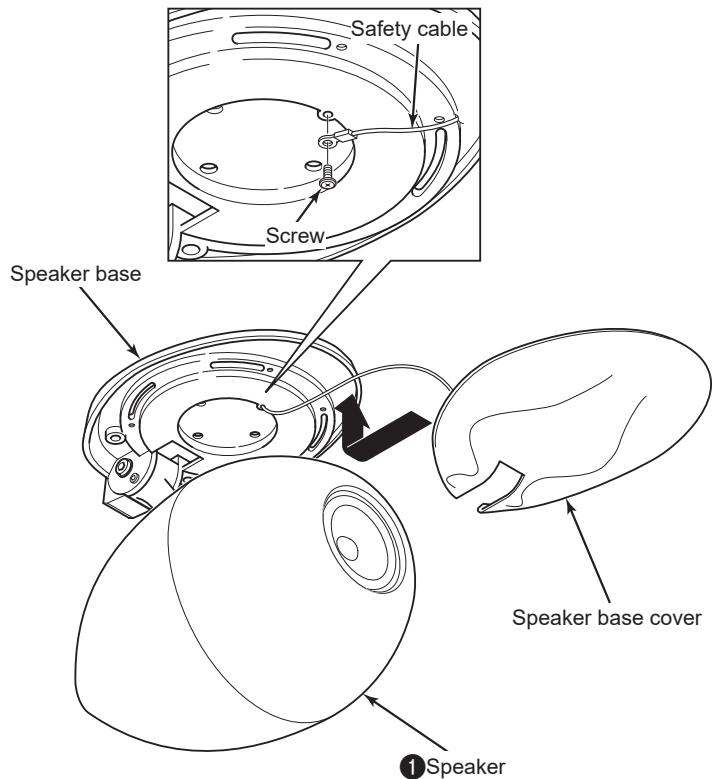


Find a secure fixing point eg: a beam.



- 7 Install the safety cable to the speaker base.

- 8 Install the base cover to the speaker base.



# Care / Specifications

## Maintenance

Before cleaning, be sure to turn off the power supply for all connected equipment and disconnect the power cords from the electrical outlets. Remove any dirt from the unit by lightly wiping with a soft dry cloth.

If required moisten the cloth to remove surface dirt, then dry with a soft cloth.

Do not use gasoline or thinners, etc. on this unit as it may damage the cabinet.



## Problems during Operation of the Unit

During operation, the unit may stop working properly if it suffers from significant external disruption (impact shock, static electricity, voltage fluctuation caused by lightning, etc.) or is operated incorrectly.

In this situation, turn the amplifier power to switch to the "Off" position.

Turn it back on again and check if normal operation has resumed. (If a problem persists, please contact our Service Centre)

## Notice for WEEE directive

In accordance with the European Directive 2002/96/EC (for Waste Electric and Electronic Equipment=WEEE), this product, which is labeled with crossed-out wheeled bin, may not be disposed of with household waste in member states of the EU.

WEEE : Waste Electrical and Electronic Equipment

When disposing of this product in an EU member state, dispose properly in accordance with the laws of that state, for example by returning it to the distributor.

WEEE has the potential effects on the environment and human health as a result of the presence of hazardous substances.

You can contribute to eliminate these effects and to enhance reuse/recycle/ other forms of recovery by your cooperation.



## Specifications

Specifications and appearance are subject to change without prior notification.

### •TD508MK3

Driver diameter	: $\phi$ 8cm
Degaussing	: Degaussing design (JEITA)
Allowable input	: Rated 15 W / Maximum 30 W
Impedance	: 8Ω
Outer dimensions	: W180×D268×H289 (mm)
Weight	: Approximately 3.5kg

### •TD510MK2

Driver diameter	: $\phi$ 10cm
Degaussing	: Degaussing design (JEITA)
Allowable input	: Rated 25 W / Maximum 50 W
Impedance	: 6Ω
Outer dimensions	: W255×D381×H391 (mm)
Weight	: Approximately 9.5kg

# **Warranty and customer service**

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## **■ Customer service for enquiries related to usage, care, and repair of the product**

**For UK: DENSO TEN EUROPE GmbH, UK Office**

**For other countries: Please contact the retailer/distributor of your country.**

Tel : +44 (0)20 7328 4499

Fax : +44 (0)20 7624 6384

mailto : info@eclipse-td.co.uk

## **■ Warranty**

Warranty period: One year (two years for EU Countries) from the date of purchase.

Even during the warranty period, you may be charged for services. Please be consulted about the details.

## **■ Repairs during the warranty period**

The product will be repaired in accordance with the warranty provisions.

## **■ Minimum retention period of performance parts for repair**

Performance parts for repair are parts required to maintain the performance of the product.

The minimum retention period of performance parts for repair for this product is eight years from the end of production.

## **■ Repairs after the warranty period elapses**

If the product can be made usable through repairs, it will be repaired for a fee at your request.

Safety check



### **Check your audio equipment for a long service life!**

Have you noticed any of these symptoms?

- The power cable or plug is unusually hot.
- There is a burning smell.
- There is a deep cut in the power cable or it has deformed.
- Other problems or a malfunction.



### **Stop using the product**

To prevent the product from malfunctioning or causing an accident, turn the POWER switch off, unplug the power plug from the power outlet, and request an inspection of the product.

For the likely charge to inspect and repair the product, contact as above.



## - Bracket installation positioning template -

### Tip

The direction of the speaker will vary depending on the installation direction of the speaker arm. Check the direction carefully before making the holes.

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