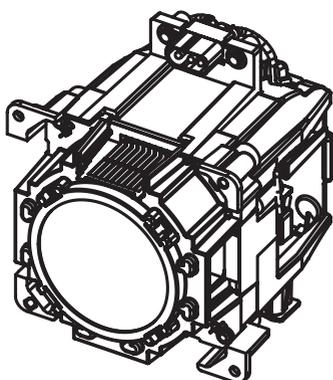


## Operating Instructions

### Replacement Lamp Unit

Model No. ET-LAD520  
ET-LAD520F  
ET-LAD520P  
ET-LAD520PF



ENGLISH

FRANÇAIS

Thank you for purchasing this Panasonic product.

- This manual is common to all the models regardless of suffixes of the Model No.

Replacement lamp unit	ET-LAD520 (1 pc) ET-LAD520F (4 pc set)
Replacement lamp unit (for portrait mode)	ET-LAD520P (1 pc) ET-LAD520PF (4 pc set)

- Please read these operating instructions and the projector operating instructions carefully, and then use this product correctly.
- **Before using this product, be sure to read "Read this first!" (▶Page 3).**
- Please save this manual for future use.

This lamp is used in projectors.

It is not intended to be used for indoor lighting of ordinary homes.

2009 / 125 / EC

# Contents

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# Read this first!

Always follow these precautions

## WARNING:

Before replacing the lamp unit, be sure to turn the power off and to disconnect the power plug from the wall outlet.

- Electric shocks or explosions can result if this is not done.

**Do not disassemble the lamp unit.**

- If the lamp breaks, it could cause injury.

**Do not remove unspecified screws during the lamp unit replacement.**

- Doing so can cause electric shocks, burns, or injury.

**When replacing the lamp unit, turn the power off and allow the lamp to cool for at least one hour before handling it.**

- The cover reaches a very high temperature, so failure to observe this will cause burns.

**Be careful to hold the lamp unit cover and to loosen the lamp unit cover fixing screws with the projector installed upward in the vertical direction since the lamp unit cover may open and the lamp case may drop off on its weight.**

- This can cause severe injury or accidents.

**When you loosen or fix the lamp case fixing screws with the projector installed upward in the vertical direction, make sure to hold the lamp case handle since the lamp case may drop off on its weight.**

- This can cause severe injury or accidents.

## CAUTION:

Do not touch the fan with your fingers or any other parts of your body when replacing the lamp unit.

- Doing so can cause injury.

**WARNING:** TURN THE POWER OFF AND DISCONNECT THE POWER PLUG FROM THE WALL OUTLET BEFORE REPLACING THE LAMP UNIT.



## NOTICE (USA only)

Hg-LAMP CONTAINS MERCURY, Manage in Accord with Disposal Laws.

See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-888-411-1996.

# Replacing the lamp unit

- Make sure to turn off the power before replacing the lamp unit.
- When switching off the projector, make sure to follow the procedures in "Switching off the projector" (➡ page 4).

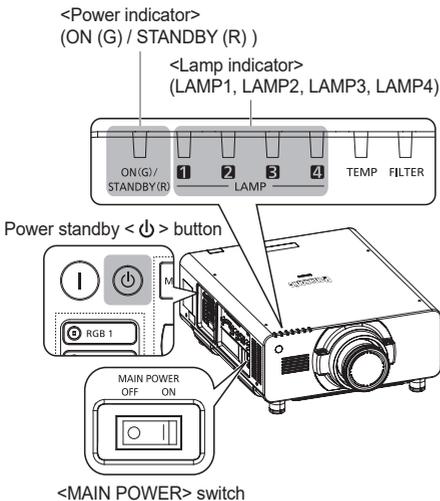
## Before replacing the lamp unit

### ■ Checking the lamp unit to be replaced

#### Check the status of the lamp indicators <LAMP1>/<LAMP2>/<LAMP3>/<LAMP4>.

- The lamp unit corresponding to the lamp indicator that is lit in red is required to be replaced.

#### Projector operation panel



### ■ Notes on the replacement of the lamp unit

- Do not use replacement lamp units (for portrait mode) and normal lamp units together. Check the product number on the label attached to the replacement lamp unit.
- A replacement lamp unit (for portrait mode) must be used when installing in a portrait orientation.
- Do not install the projector in any orientation other than portrait when using a replacement lamp unit (for portrait mode).

- Since the luminous lamp is made of glass, it may burst if dropped or hit with a hard object. Please handle with care.
- Do not disassemble or modify the lamp unit.
- When replacing the lamp unit, be sure to hold it by the handle because its edges are pointed and can get caught on objects.
- The lamp may burst. Replace the lamp unit carefully so that the broken pieces of the lamp glass will not scatter. If the projector is to be attached to the ceiling, do not perform the work while directly beneath the lamp unit or put your face close to it.
- The lamp contains mercury. When disposing of used lamp units, contact your local authorities or dealer for correct methods of disposal.
- Panasonic Connect Co., Ltd. recommends that the lamp unit be replaced by a specialized engineer. Contact your dealer.

#### Note

- A Phillips screwdriver is necessary when replacing the lamp unit.

## Switching off the projector

When the projector is operating, perform the following steps to turn off the projector, and wait until the lamp unit cools off then make the replacement.

- 1) Press the power standby < ⏻ > button.
- 2) Press ◀ ▶ to select [OK], and press the <ENTER> button. (Or press the power standby < ⏻ > button again.)
  - Projection of the image will stop, and the power indicator <ON (G)/STANDBY (R)> on the projector lights in orange. (The fan keeps running.)
- 3) Wait until the power indicator <ON (G)/STANDBY (R)> of the projector lights in red (and the fan stops) for approximately 170 seconds.
- 4) Press the <OFF> side of the <MAIN POWER> switch to turn off the power.

# Replacing the lamp unit (continued)

## Replacing the lamp unit

### WARNING:

Replace the lamp unit after the lamp has cooled (after waiting at least one hour).

- The high temperature inside the cover will cause burns.

### Attention

- When the projector is mounted on the ceiling, do not make the replacement while your face is near the lamp unit.
- Do not remove or loosen the screws other than specified ones when replacing the lamp unit.
- Use four lamp units of the same type.

### 1) Set the <MAIN POWER> switch to <OFF> and disconnect the power plug from the power outlet.

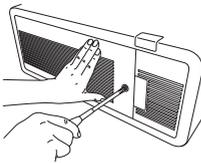
- Wait at least one hour and check if the lamp unit has cooled down.

### 2) Remove the lamp unit cover.

### WARNING:

Be careful to hold the lamp unit cover and to loosen the lamp unit cover fixing screws with the projector installed upward in the vertical direction since the lamp unit cover may open and the lamp case may drop off on its weight.

- This can cause severe injury or accidents.

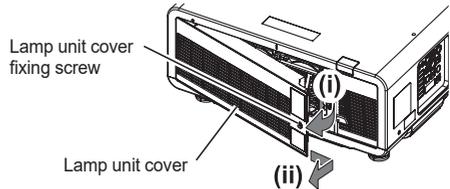


- (i) Use a Phillips screwdriver to loosen the lamp unit cover fixing screw (one screw) counterclockwise until it turns freely, and then open the lamp unit cover slowly in the direction of the arrow.

- Opening the lamp unit cover quickly may result in damage to the cover.
- If you loosen the lamp unit cover fixing screw with the projector installed upward in the vertical direction, the lamp unit cover may open due to its weight and fall off. When loosening the lamp unit cover fixing screw, be sure to support the lamp unit cover with your hand.

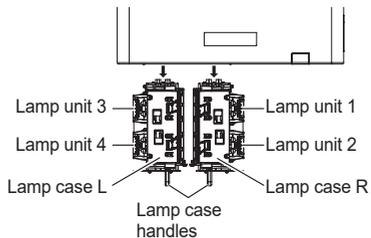
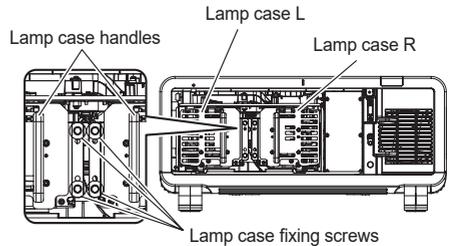
- (ii) Hold the lamp unit cover securely and slide it in the direction of the arrow, and then pull it out backward to remove.

- Since the fan and other components are attached to the lamp unit cover, handle the removed lamp unit cover with care.



### 3) Pull out the lamp case.

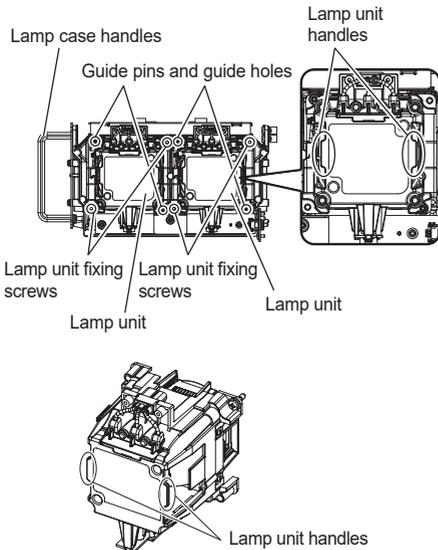
- Use a Phillips screwdriver to turn the lamp case fixing screws of the lamp unit to be replaced (two screws each) counterclockwise until they turn freely, and then hold the lamp case handles to be replaced and pull out backward.
- Do not remove the black screws other than the lamp case fixing screws.
- When you loosen the lamp case fixing screws with the projector installed upward in the vertical direction, the lamp case may drop off on its weight. Be sure to hold the lamp case handle when you loosen the lamp case fixing screws.
- When removing the lamp case, make sure that the projector is stable and remove it in a safe place where the lamp case is dropped off.



## Replacing the lamp unit (continued)

### 4) Remove the lamp unit.

- Use a Phillips screwdriver to turn the lamp unit fixing screws (two screws) counterclockwise until they turn freely, and then remove the lamp unit from the lamp case.
- Hold the handles of the lamp unit and remove it straight.
- Do not remove the screws other than the lamp unit fixing screws.

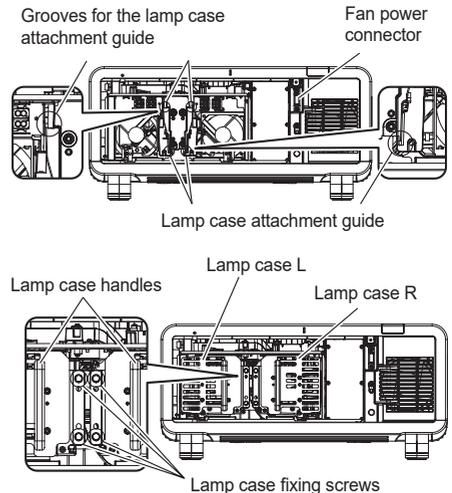


### 5) Attach the lamp unit.

- Gently push the new lamp unit into the lamp case. Install the new lamp unit carefully so that the guide pins on the lamp case are inserted into the guide holes on the lamp unit.
  - If the lamp unit is not installed properly, remove it and then gently install it again. Pushing it in forcibly or exerting excessive force may break the connector.
- Use a Phillips screwdriver to tighten the lamp unit fixing screws (two screws each).
  - Make sure to attach the lamp unit properly.

### 6) Attach the lamp case.

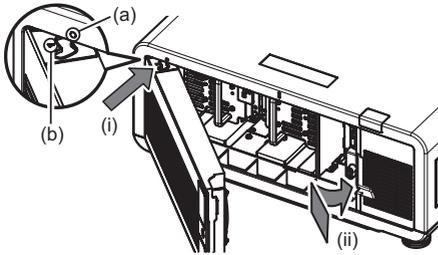
- Gently push in the lamp case along the grooves for the lamp case attachment guide on the projector, and then firmly tighten the lamp case fixing screws (two screws).
- When you secure the lamp case with the projector installed upward in the vertical direction, the lamp case may drop off on its weight. Be sure to hold the lamp case handle when you tighten the lamp case fixing screws.
- If the lamp case is not installed properly, remove it and then gently install it again. Pushing it in forcibly or exerting excessive force may break the connector.
- Make sure to attach the lamp case properly.



### 7) Attach the lamp unit cover.

- Align the lamp unit cover to the marks of (a) and (b) (○ and △) to attach as shown by the arrow.
- Close the lamp unit cover in the direction of the arrow and use a Phillips screw driver to firmly tighten the lamp unit cover fixing screw (one screw).
  - Make sure the connector at the side of the lamp unit cover is firmly inserted in the fan power connector.
  - Make sure to attach the lamp unit cover properly.

## Replacing the lamp unit (continued)



### Note

- When you place the new lamp unit, the projector resets the total usage time of the lamp unit automatically.
- When the lamp case is removed or attached, it will be caught because of the fall-prevention stopper. This, however, is not a problem.

### Attention

- After unpacking the lamp unit, discard the packaging material properly.

## English

**Manufactured by:**

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**Importer:**

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**Authorized Representative in EU:**

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**Auktoriserad representant i EU:**

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Winsbergring 15, 22525 Hamburg, Tyskland

# MEMO

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### Disposal of Old Equipment

#### Only for European Union and countries with recycling systems



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local authority. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

### Product Information (for Turkey only)

AEEE Yönetmeliğine Uygundur.

Eski Ekipman İşlenmesi.

Sadece geri dönüşüm sistemleri olan Avrupa Birliği ve ülkeleri için geçerlidir.



Ürünler, ambalaj ve/veya ekli belgeler üzerindeki bu semboller kullanılmış elektrik ve elektronik ürünlerin genel ev atığı ile karıştırılmaması gerektiğini ifade eder.

Eski ürünlerin toplanması ve geri kazanılması için bu atıkları lütfen yasayla belirlenmiş olan uygun toplama merkezlerine teslim ediniz.

Bu atıkların doğru işlenmesiyle, değerli kaynakların korunmasına ve insan sağlığı ve çevreye olası negatif etkilerinin engellenmesine yardımcı olabilirsiniz.

Atıkların toplanması ve geri dönüşümü için detaylı bilgi için lütfen bağlı olduğunuz yerel yönetimlerle iletişime geçiniz.

Atıkların atılmasıyla ilgili yanlış uygulamalar yasayla belirlenmiş olan cezalara sebebiyet verebilir.

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# Panasonic Connect Co., Ltd.

Web Site : <https://panasonic.net/cns/projector/>

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