SONY

VIDEO PROJECTOR

# VPL-VW5000

REMOTE COMMANDER
**RM-PJ24**

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HDMI 4K SXRD
Silicon X-tal Reflective Display

SERVICE MANUAL
1st Edition

## ⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

## ⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

## ⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

## ⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

**警告**

万一，異常が起きた際に，お客様が電源を切ることができるように，設置の際には，機器近くの固定配線内に専用遮断装置を設けるか，機器使用中に，容易に抜き差しできるコンセントに電源プラグを接続してください。

**WARNING**
When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power cord to a socket-outlet which must be provided near the unit and easily accessible, so that the user can turn off the power in case a fault should occur.

**WARNUNG**
Beim Einbau des Geräts ist daher im Festkabel ein leicht zugänglicher Unterbrecher einzufügen, oder das Netzkabel mu*ß* mit einer in der Nähe des Geräts befindlichen, leicht zugänglichen Wandsteckdose verbunden werden, damit sich bei einer Funktionsstörung die Stromversorgung zum Gerät jederzeit unterbrechen lä*ß*t.

安全のために，周辺機器を接続する際は，過大電圧を持つ可能性があるコネクターを以下のポートに接続しないでください。
: LAN コネクター
上記のポートについては本書の指示に従ってください。

For safety, do not connect the connector for peripheral device wiring that might have excessive voltage to the following port.
: LAN connector
Follow the instructions for the above port.

**For kundene i Norge**

Dette utstyret kan kobles til et IT-strømfordelingssystem.

**CAUTION**

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**VORSICHT**

Bei Betatigung von Bedien- und Einstellteilen oder Ausfuhrung von Bedienvorgangen, die nicht ausdrucklich in dieser Bedienungsanleitung aufgefuhrt sind, droht u.U. die Einwirkung gefahrlicher Laserstrahlung.

**注意**

ここで指定した以外の手順で管理や調整，あるいは操作を行うと，危険なレーザ放射に晒される場合があります。

**注意**

感電の危険があります。

本製品の一次回路のヒューズが，中性線側に接続される可能性があります。
修理時の感電を防ぐため，本機を主電源から切り離してください。

**注意**

电击风险

本产品的初级电路的保险丝可以连接在中线侧。
修理时请断开设备电源，以防触电。

**CAUTION**

RISK OF ELECTRIC SHOCK

The fuse of the primary circuit of this product may be connected on the neutral wire side.
Disconnect the unit from the power supply to prevent electric shock when repairing.

**ATTENTION**

RISQUE D'ÉLECTROCUTION

Le fusible du circuit primaire de ce produit peut être connecté sur le côté de fil neutre.
Déconnectez l'appareil de l'alimentation pour éviter un choc électrique lors de la réparation.

**注意**

指定以外の電池に交換すると，破裂する危険があります。
必ず指定の電池に交換してください。
使用済みの電池は，国または地域の法令に従って処理してください。

**CAUTION**

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.
When you dispose of the battery, you must obey the law in the relative area or country.

**ATTENTION**

Il y a danger d’explosion s’il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d’un type équivalent recommandé par le constructeur.
Lorsque vous mettez la batterie au rebut, vous devez respecter la législation en vigueur dans le pays ou la région où vous vous trouvez.

**VORSICHT**

Explosionsgefahr bei Verwendung falscher Batterien. Batterien nur durch den vom Hersteller empfohlenen oder einen gleichwertigen Typ ersetzen.
Wenn Sie die Batterie entsorgen, müssen Sie die Gesetze der jeweiligen Region und des jeweiligen Landes befolgen.

**FÖRSIKTIGHET!**

Fara för explosion vid felaktigt placerat batteri.
Byt endast mot samma eller likvärdig typ av batteri, enligt tillverkarens rekommendationer.
När du kasserar batteriet ska du följa rådande lagar för regionen eller landet.

**PAS PÅ**

Fare for eksplosion, hvis batteriet ikke udskiftes korrekt.
Udskift kun med et batteri af samme eller tilsvarende type, som er anbefalet af fabrikanten.
Når du bortskaffer batteriet, skal du følge lovgivningen i det pågældende område eller land.

**HUOMIO**

Räjähdysvaara, jos akku vaihdetaan virheellisesti.
Vaihda vain samanlaiseen tai vastaavantyyppiseen, valmistajan suosittelemaan akkuun.
Noudata akun hävittämisessä oman maasi tai alueesi lakeja.

**FORSIKTIG**

Eksplosjonsfare hvis feil type batteri settes i.
Bytt ut kun med samme type eller tilsvarende anbefalt av produsenten.
Kasser batteriet i henhold til gjeldende avfallsregler.

**注意**

如果更换的电池不正确，就会有爆炸的危险。
只更换同一类型或制造商推荐的电池型号。
处理电池时，必须遵守相关地区或国家的法律。

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## 1. Service Overview



## 2. Software Update



## 3. Spare Parts

## 4. Frame Wiring



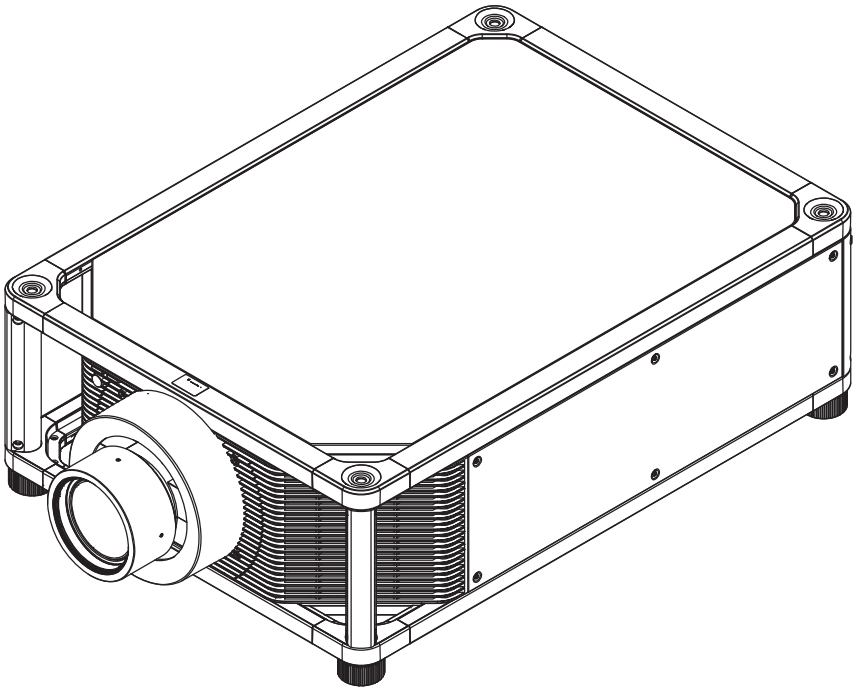
## Revision History

# Section 1
# Service Overview

## 1-1. Notes on Servicing

- The laser light of this unit is very intense. To prevent unnecessary irradiation on the eyes, care must be taken with the following points in performing the repair under the irradiation of the laser light. Be sure to follow the contents in this manual when performing the repair.
  - The laser light has characteristics that the energy goes straight without diffusing, which is different from the sunlight and illumination light. In case that eyes are intensively irradiated with the straight energy, there is a risk of causing damage to the retina, etc.
  - The laser light from the lens and the light leaked from inside of this unit are the same level as the existing lamp light. However, when performing the repair, avoid directly viewing the laser light except for the lens.
- The laser diode is used as a light source of this unit.
  Never allow the light source to emit light with the cabinet removed.
  Otherwise, it may cause damage to eyes or skin.
- Do not remove the lens when the set is lighting.
  Otherwise, it may cause damage to eyes or skin.
- Never allow the light source to emit light with the cover of this unit removed except during the adjustment.
  (1) When allowing the light source to emit light with the cover of this unit removed during adjustment, be sure to perform the light dimming adjustment before removing the cover of this unit. Otherwise, it may cause damage to eyes. (Refer to “Light dimming adjustment” in Section 1-7-2.)
  (2) To allow the light source to emit light with the cover of this unit removed during the adjustment, secure the limit switch with the limit switch retaining plate and release the protection circuit. (Refer to step 7 “MC adjustment assembly” in Section 1-7-2.)
- In order to avoid inappropriate use of the laser diode, do not disassemble the laser source unit.
- The Class3R laser light is emitted from the light source when opening the cover and pressing the Limit switch.
  The laser light may cause damage to eyes or skin. Therefore, be careful not to view the laser beam directly.

## 1-2. Appearance Figure



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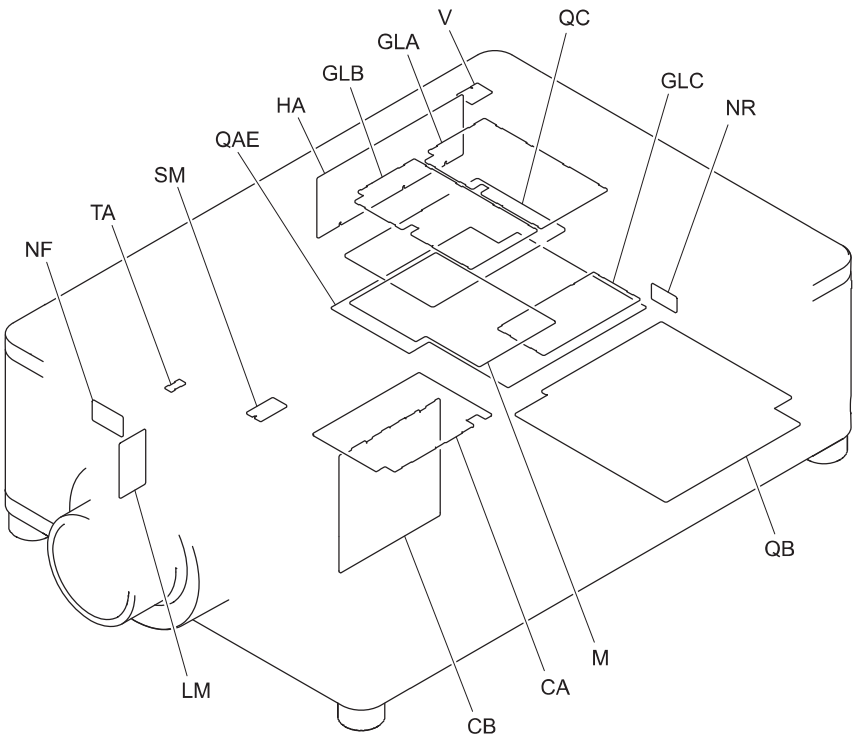
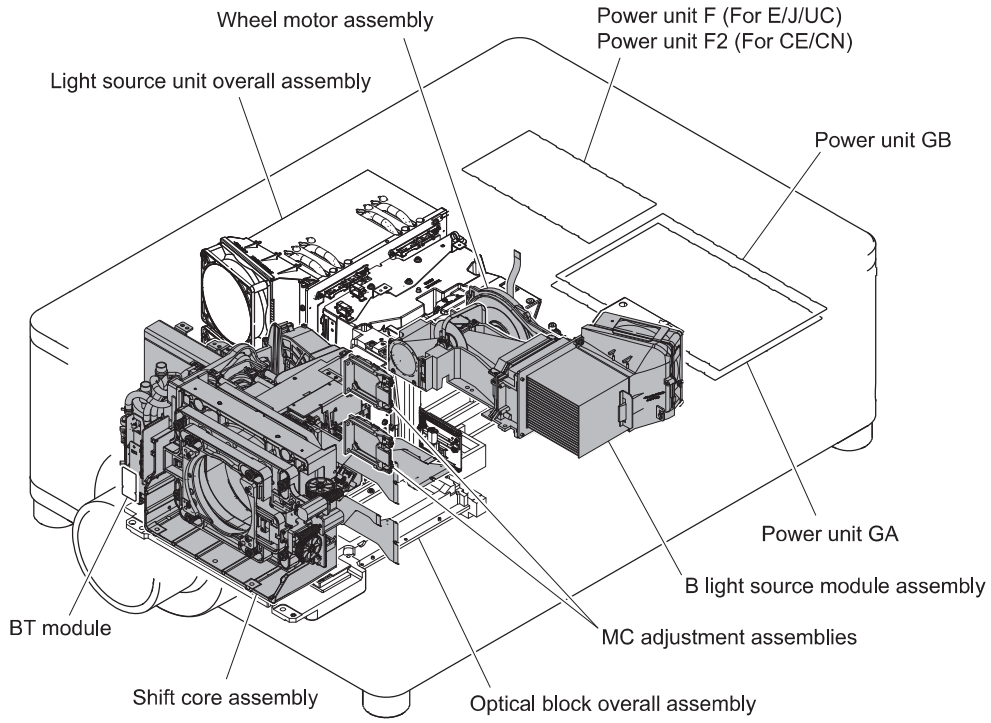
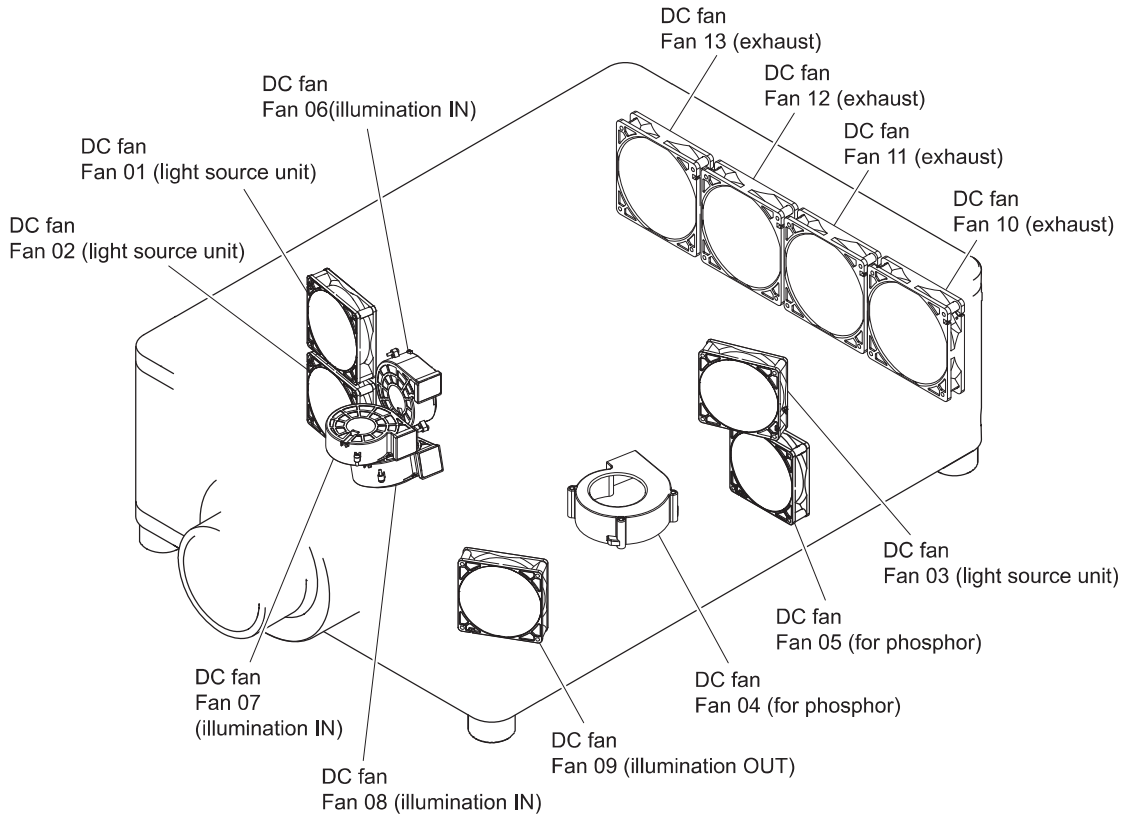
## 1-3. Board Locations



## 1-4. Main Parts Locations



## 1-5. Tightening Torque

Tighten the each screw with the torque below.

**Note**

There are two types of tightening torques for the screw (PSW3 × 8) in this unit. Be careful not to apply the wrong torque.

- BVTP3 × 10: 0.80 ±0.12 N•m
- PSW2 × 6: 0.19 ±0.02 N•m
- PSW2 × 4: 0.30 ±0.02 N•m
- PSW3 × 8 (for excluding QA plate): 0.80 ±0.12 N•m
- PSW3 × 8 (for QA plate): 0.53 ±0.07 N•m
- PSW3 × 30: 0.80 ±0.12 N•m
- PSW3 × 35: 0.80 ±0.12 N•m
- PSW3 × 40: 0.80 ±0.12 N•m
- PSW4 × 12: 1.40 ±0.20 N•m
- PSW4 × 35: 0.80 ±0.12 N•m
- PSW5 × 8: 1.40 ±0.20 N•m
- HS shaft 0.80 ±0.12 N•m
- SP 4-4O UNI: 0.53 ±0.05 N•m
- Hexagon socket bolt M3: 0.80 ±0.12 N•m
- Hexagon socket bolt (M5 × 12): 3.00 ±0.30 N•m
- Line head shaft (F) (M3 × 14): 0.80 ±0.12 N•m
- Line head shaft (M2 × 6): 0.19 ±0.02 N•m

When using the torque driver with the notation of cN•m, interpret it as follows.
Example: 0.8 N•m = 80 cN•m

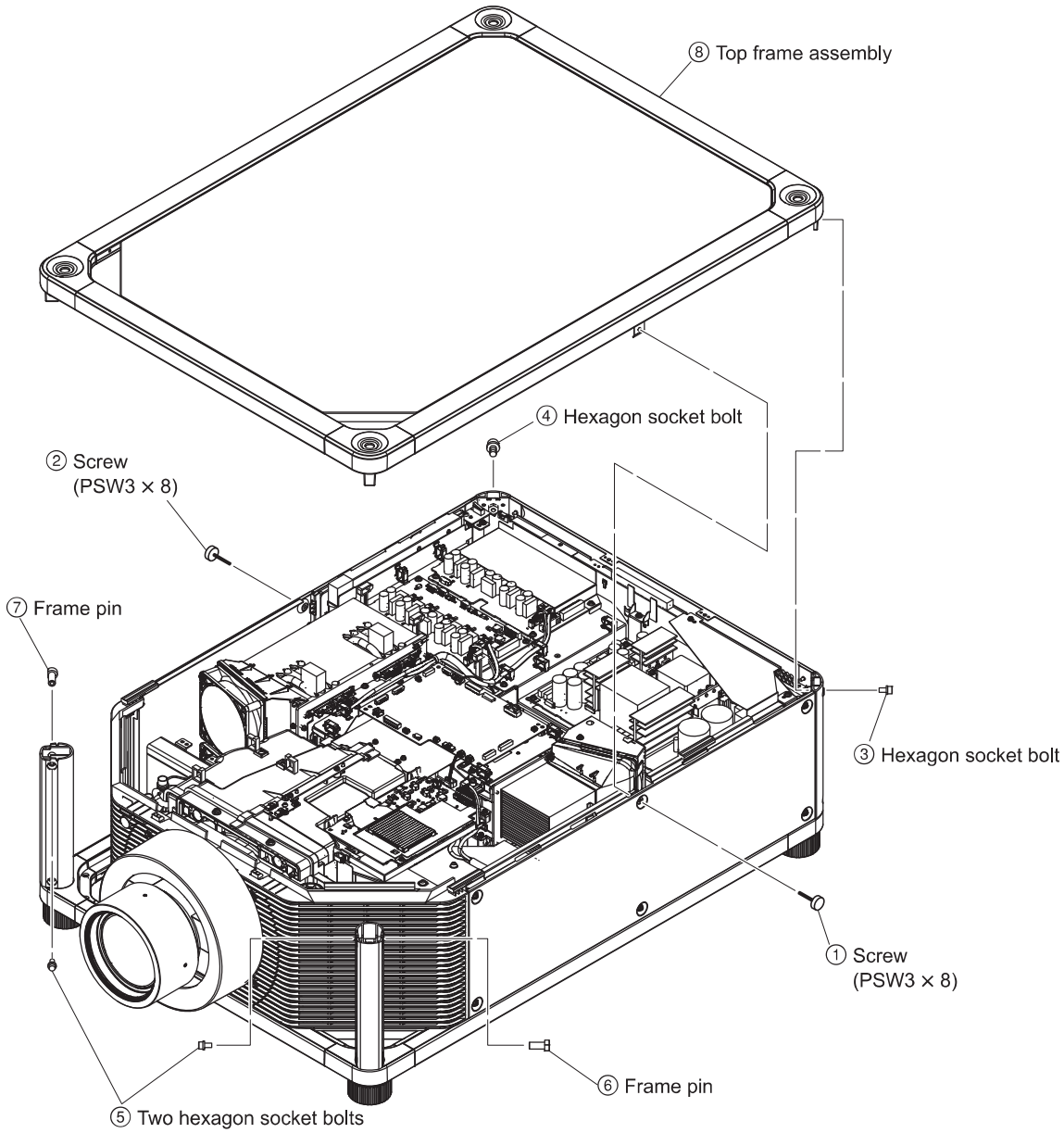
## 1-6. Removing the Cabinet

**Tip**

In this section, remove the parts in numerical order as shown in the illustration.

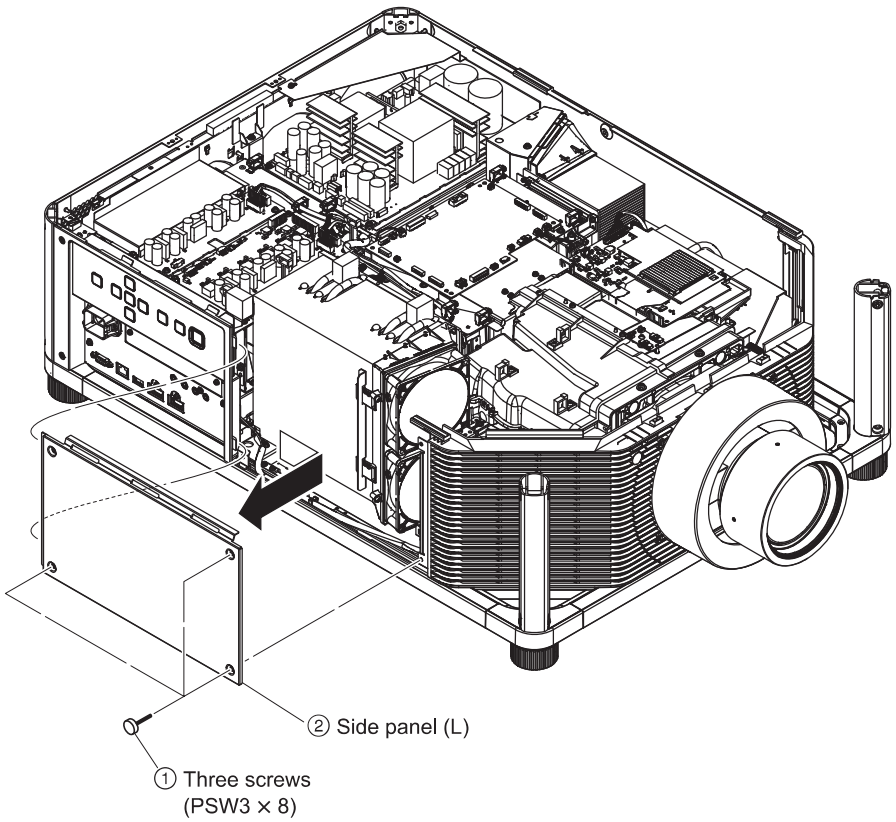
### 1-6-1. Top Frame Assembly

Required tool: Hexagonal wrench (Subtense: 4 mm)



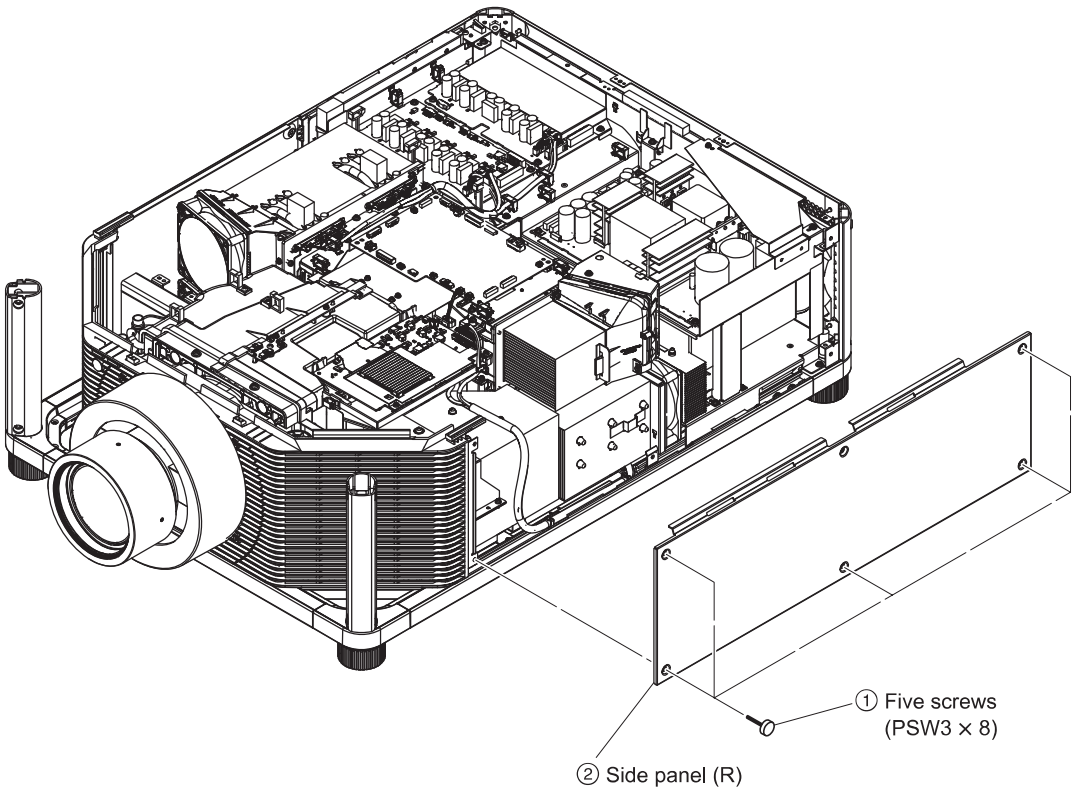
## 1-6-2. Side Panel (L)

• Remove the top frame assembly. (Refer to Section 1-6-1.)



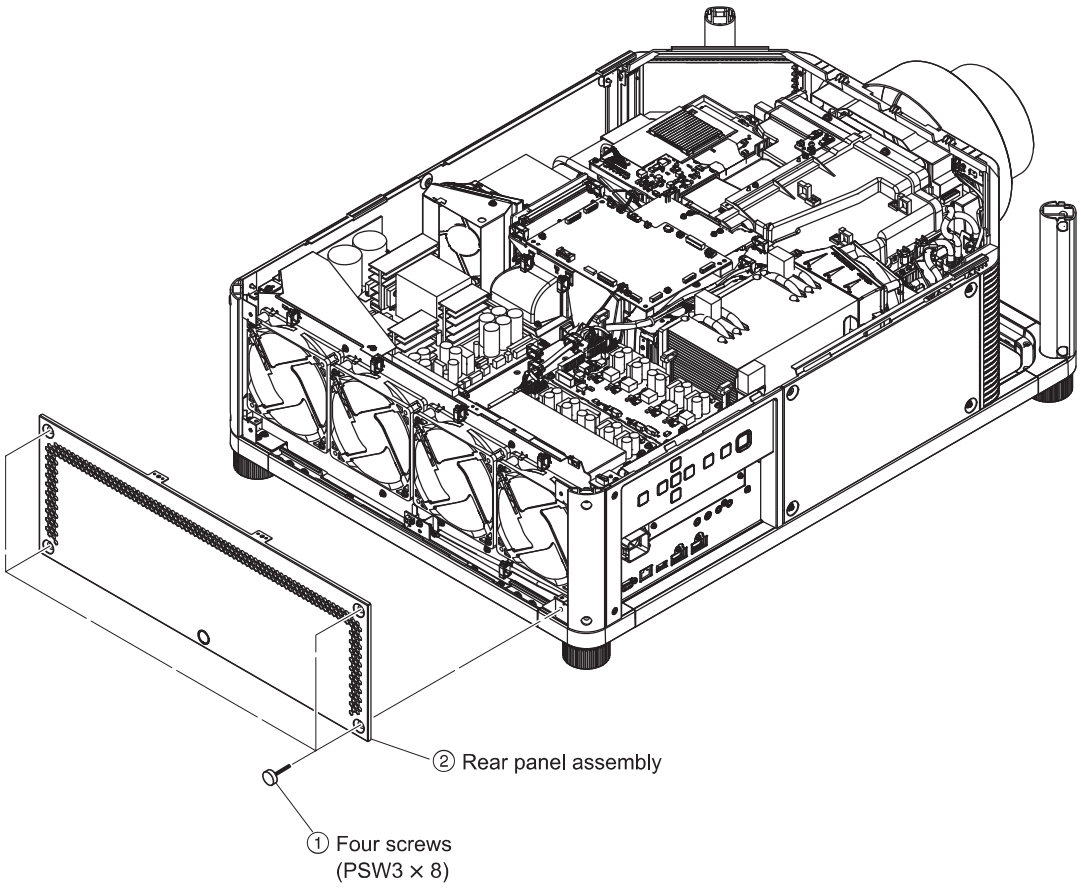
### 1-6-3. Side Panel (R)

• Remove the top frame assembly. (Refer to Section 1-6-1.)



## 1-6-4. Rear Panel Assembly

• Remove the top frame assembly. (Refer to Section 1-6-1.)



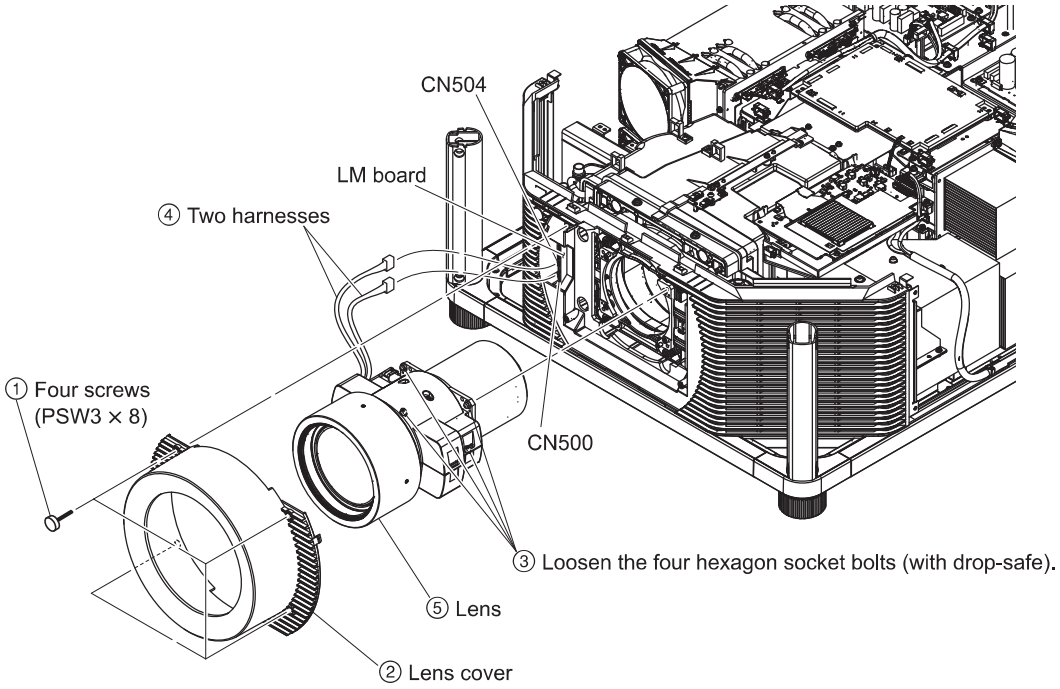
## 1-6-5. Lens Cover and Front Panel Assembly

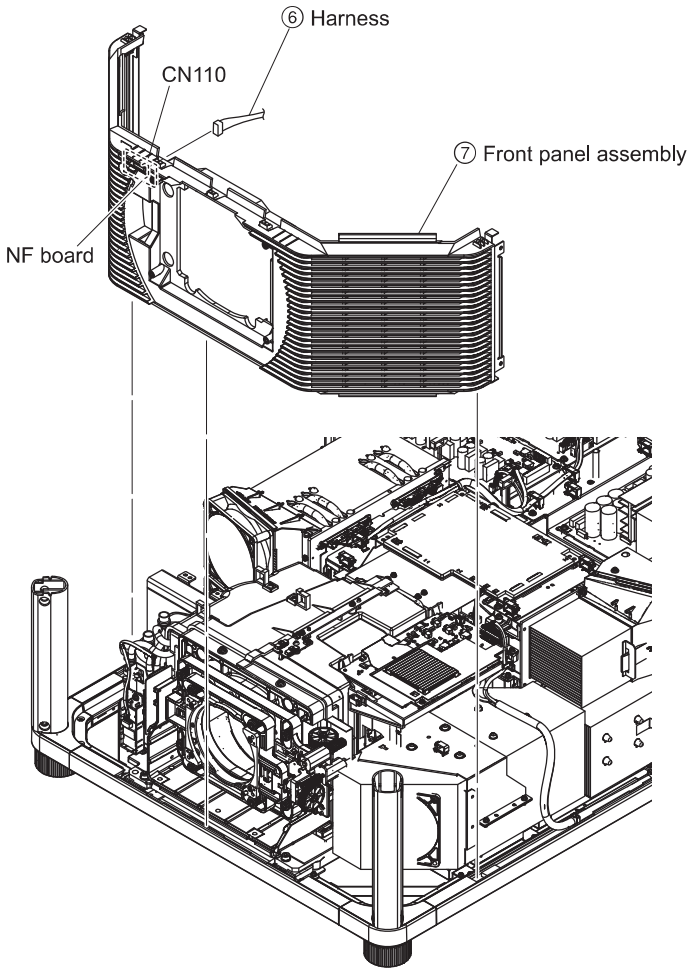
**Tip**

Note that the lenses are installed in different procedures, respectively. For details on the lens replacement procedure, refer to Section 1-9.

1. Remove the top frame assembly. (Refer to Section 1-6-1.)
2. Remove the side panel (L). (Refer to Section 1-6-2.)
3. Remove the side panel (R). (Refer to Section 1-6-3.)

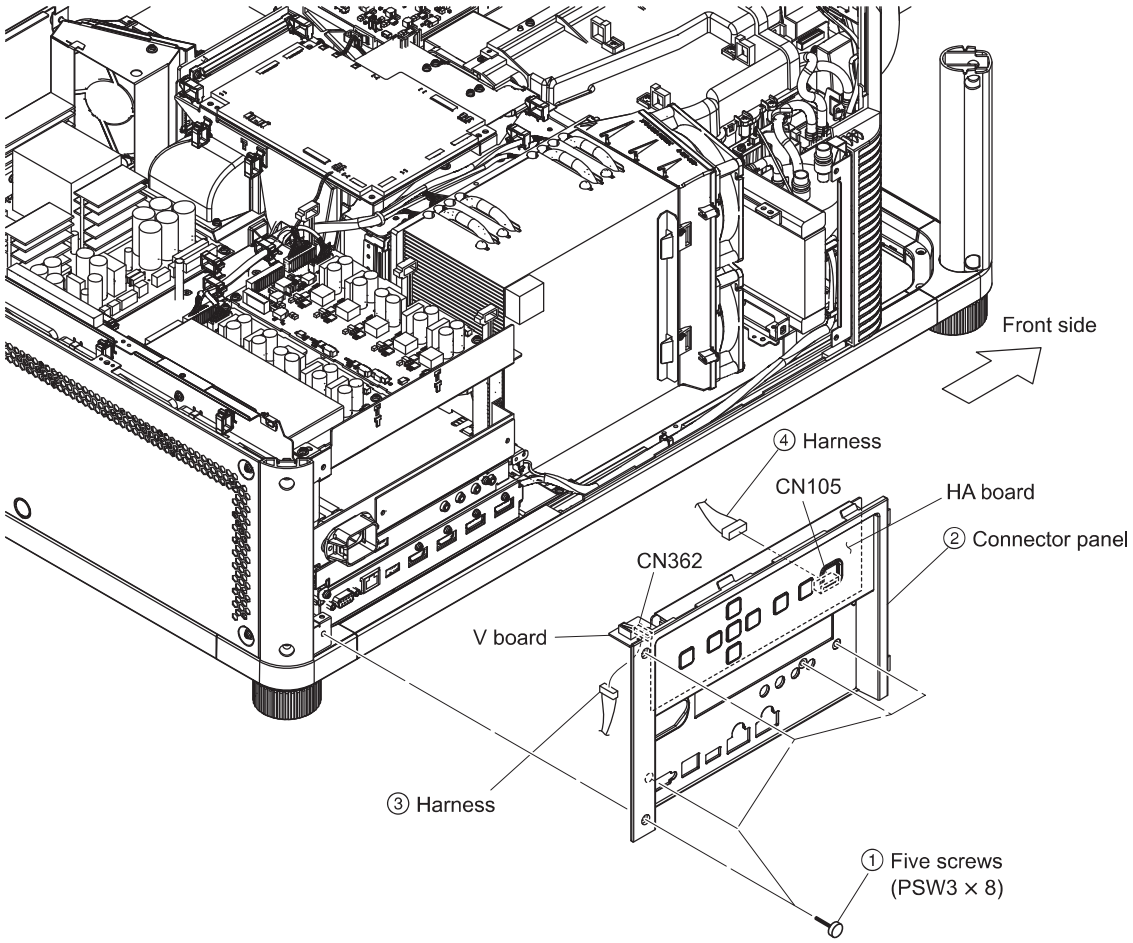
Required tool: Hexagonal wrench (Subtense: 2.5 mm)




⑥ Harness
CN110
⑦ Front panel assembly
NF board

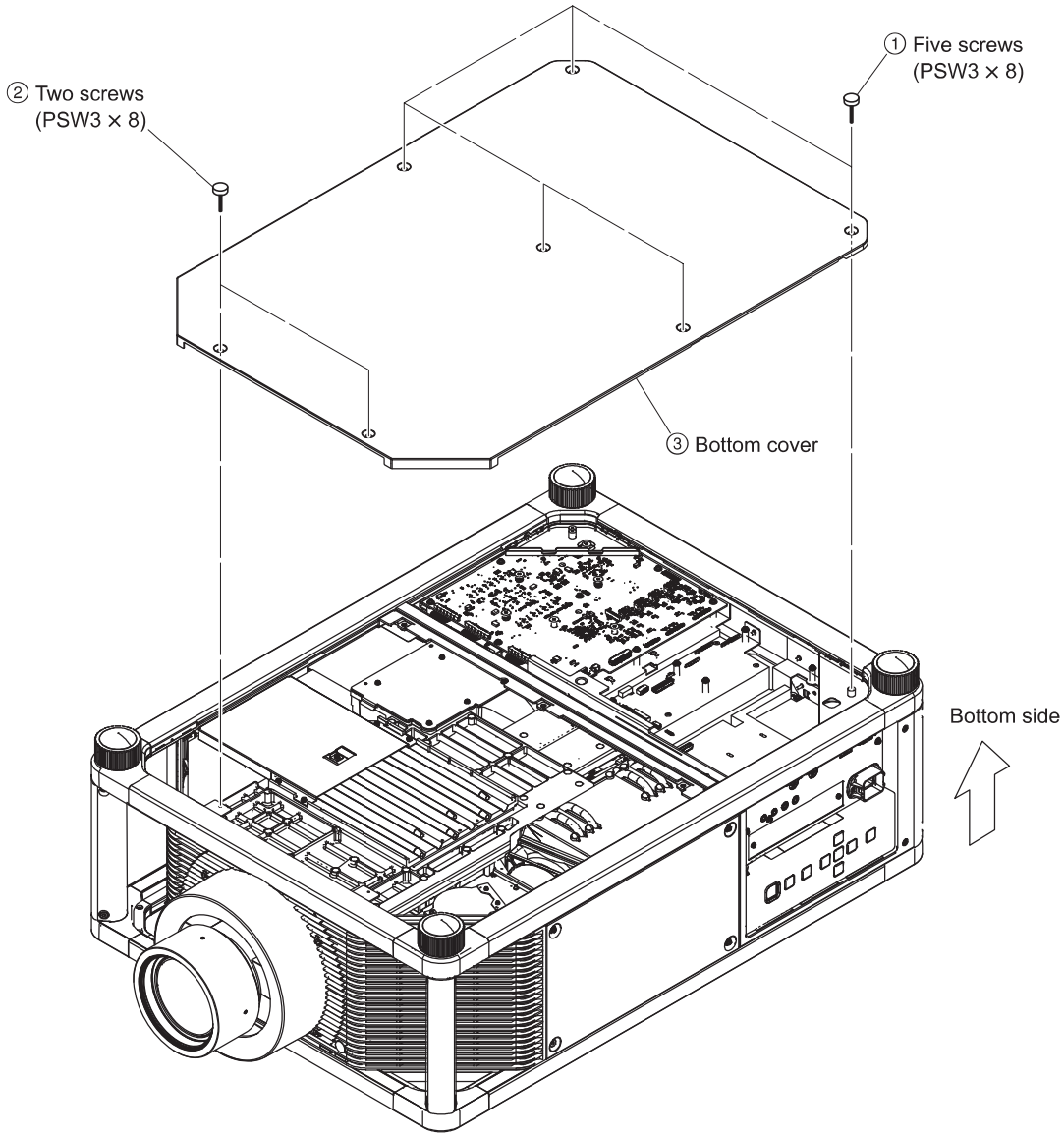
## 1-6-6. Connector Panel Assembly

1. Remove the top frame assembly. (Refer to Section 1-6-1.)
2. Remove the side panel (L). (Refer to Section 1-6-2.)



## 1-6-7. Bottom Cover

• Place this unit with the bottom side facing upward.

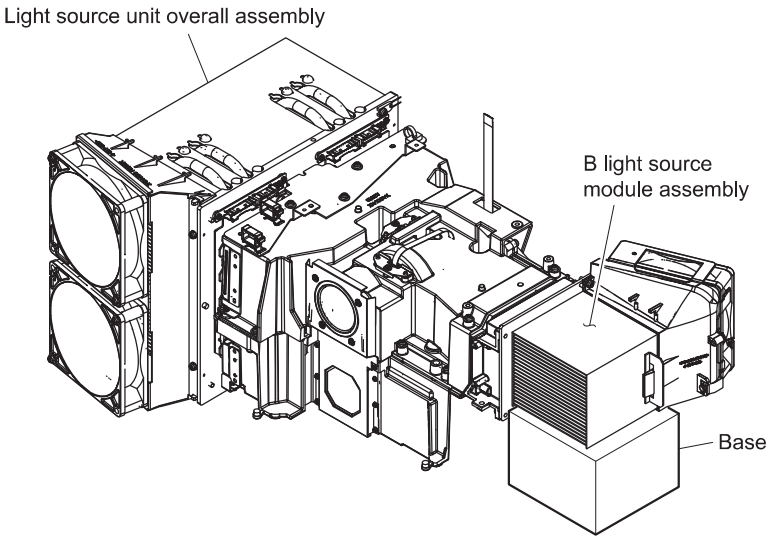


## 1-7. Replacing the Main Parts

**Tip**

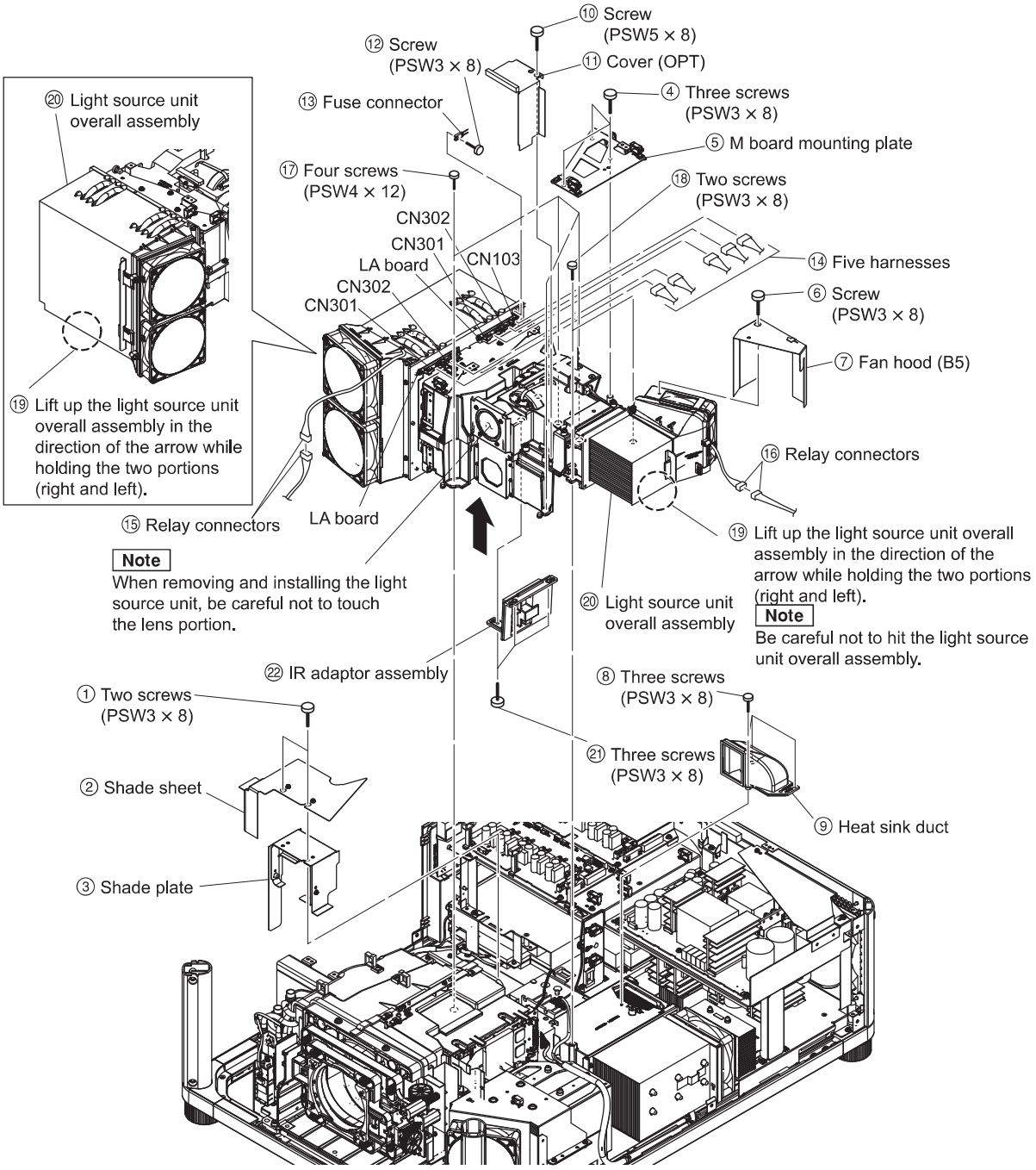
In this section, remove the parts in numerical order as shown in the illustration.

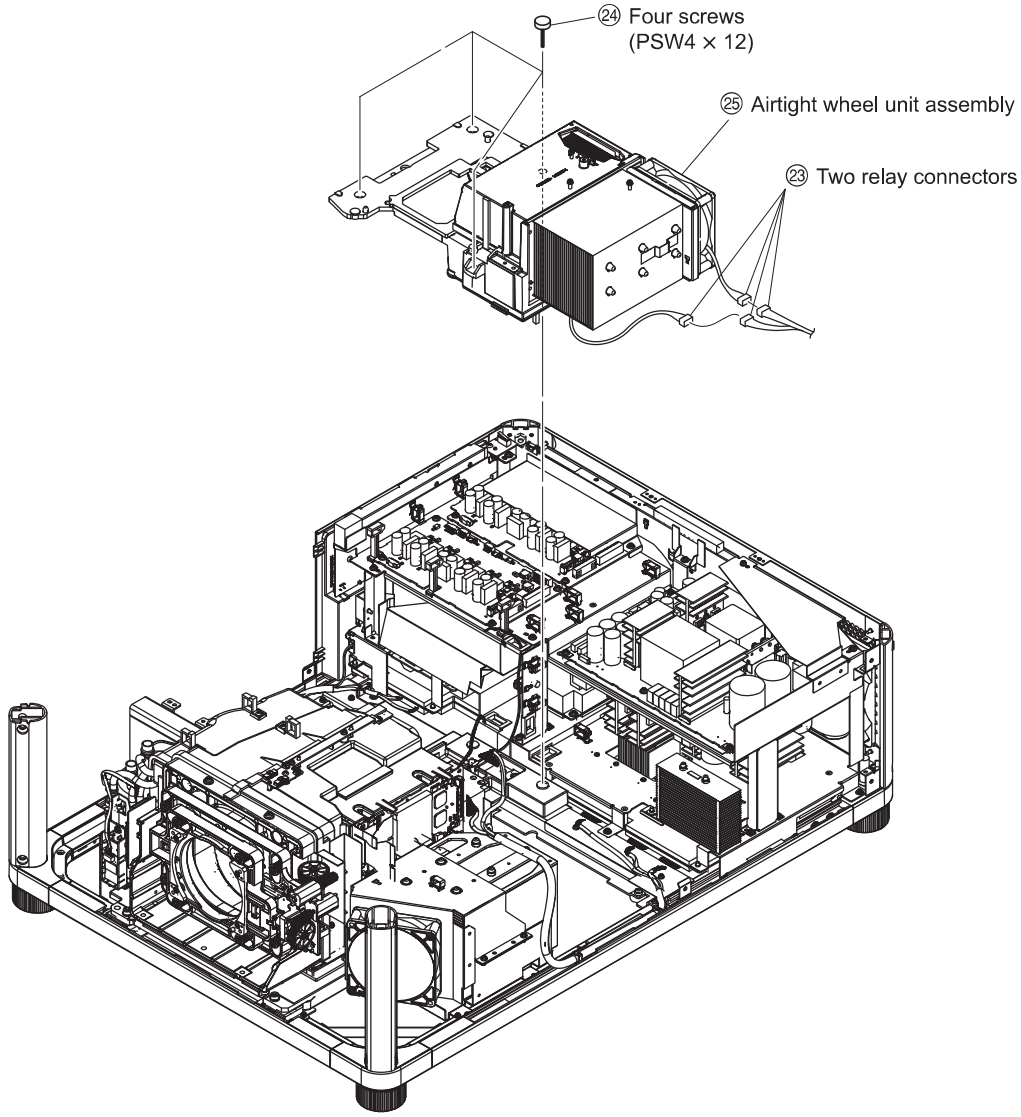
### 1-7-1. Light Source Unit Overall Assembly/B Light Source Module Assembly/ Wheel Motor Assembly/Wheel Lens Assembly




1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the BT module. (Refer to Section 1-7-9.)

## Light source unit overall assembly





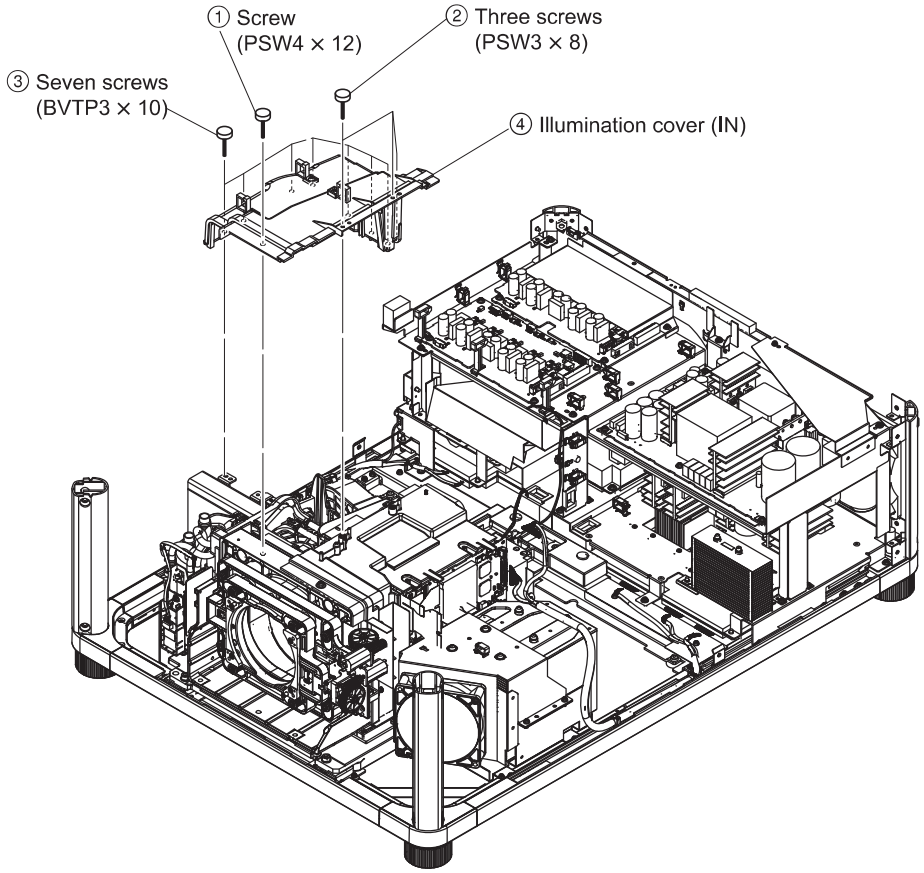

㉖ Remove Fan01 and Fan02 by referring to steps ① to ⑥ in Section 1-7-10.

## 1-7-2. Optical Block Overall Assembly/Shift Core Assembly/MC Adjustment Assembly

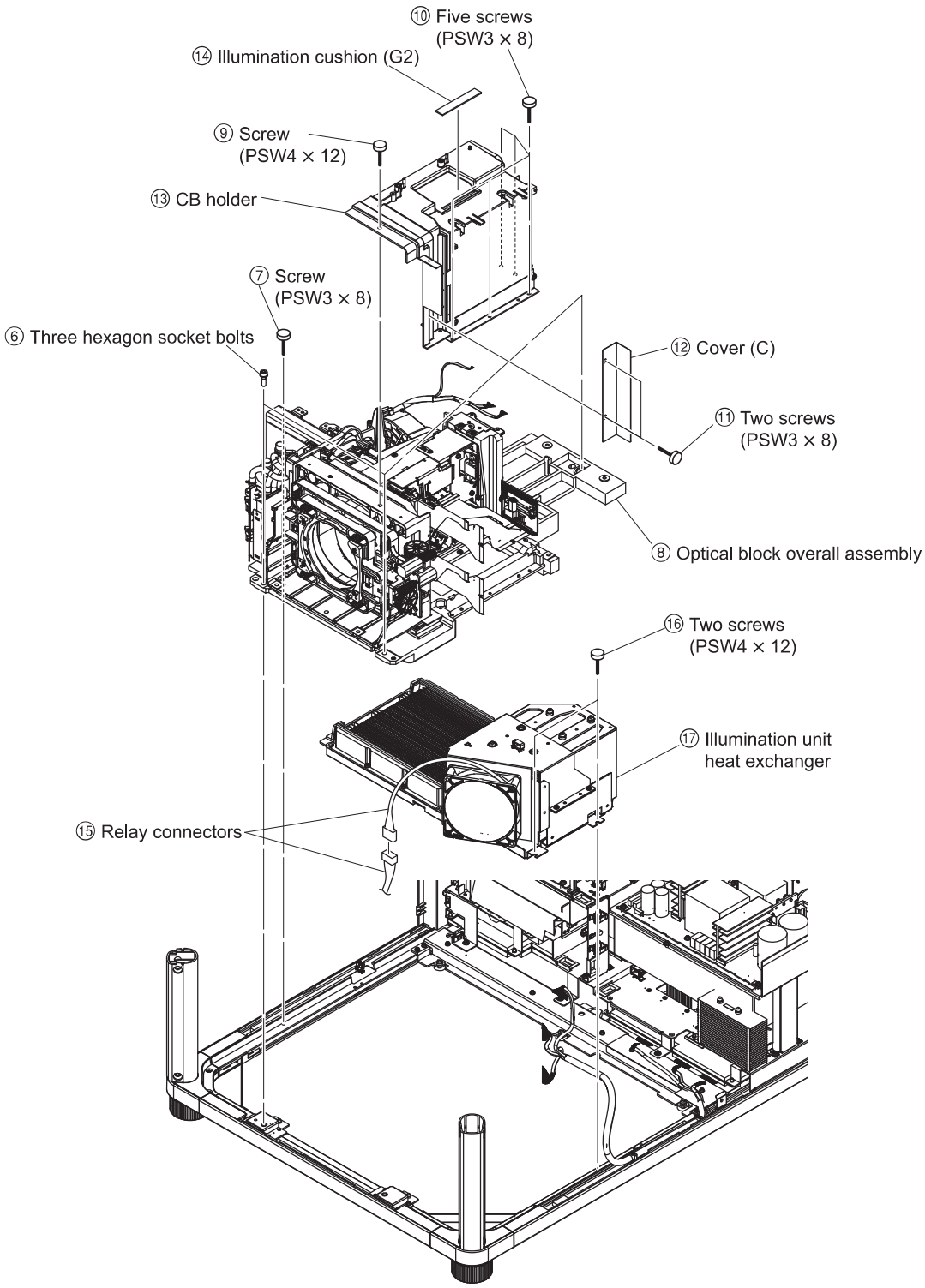
### Replacement procedure

1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)
5. Remove the SM board. (Refer to Section 1-8-10.)
6. Remove the TA board. (Refer to Section 1-8-11.)

### Optical block unit overall assembly



⑤ Remove the CB board. (Refer to Section 1-8-3.)

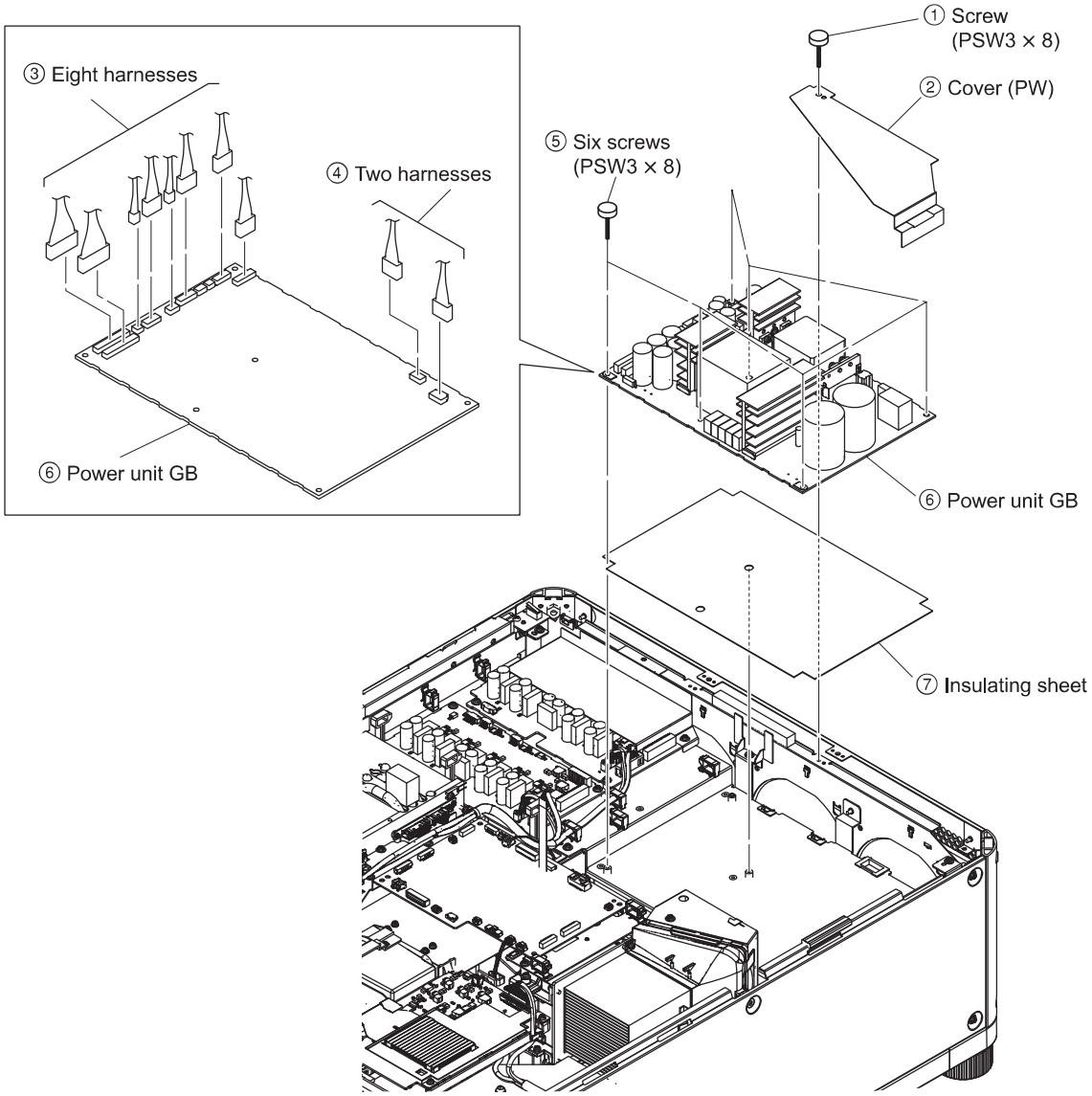


## 1-7-3. Power Unit GB

**WARNING**

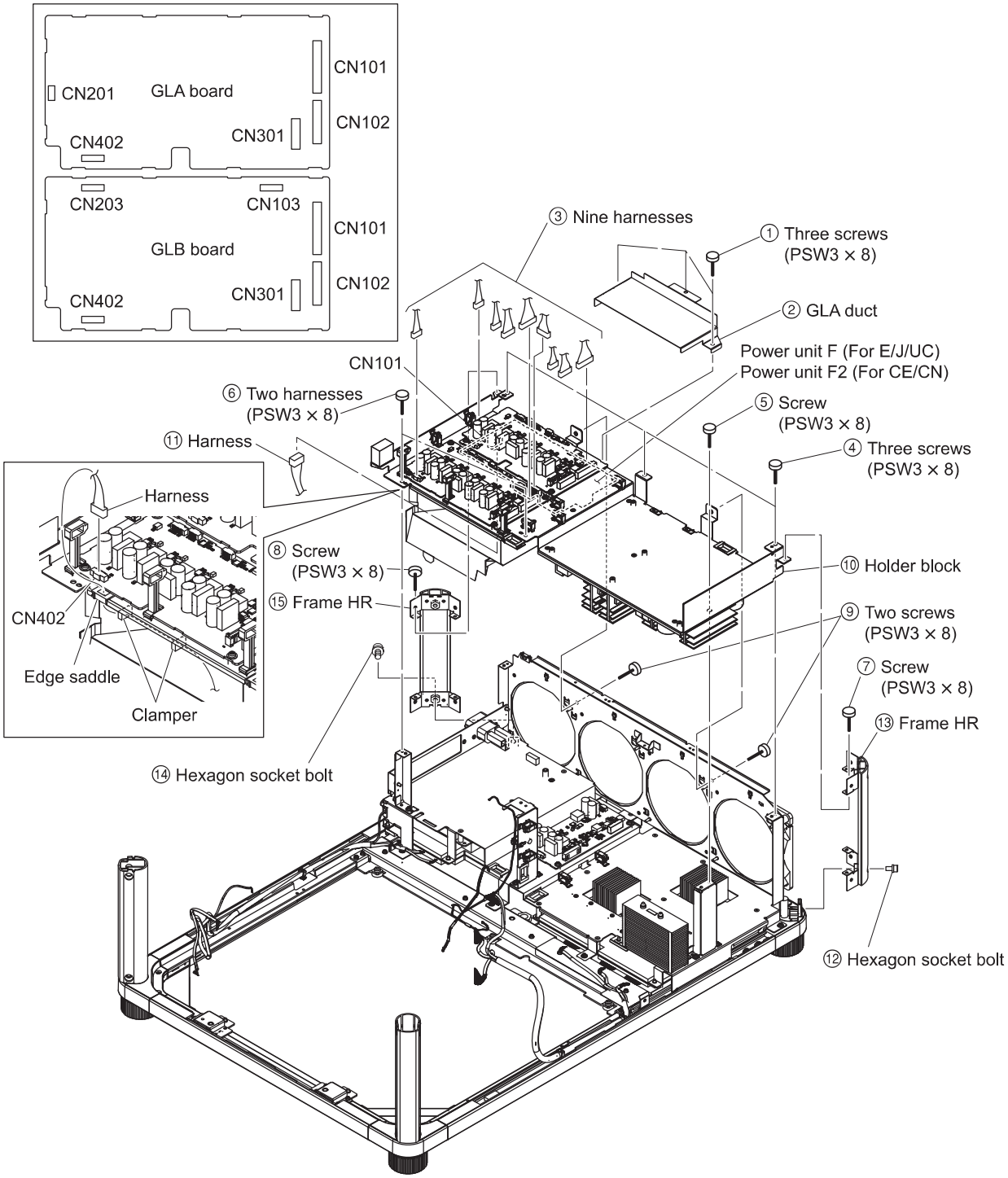
When removing the power unit GB, wait at least 30 minutes after unplugging the power cord.

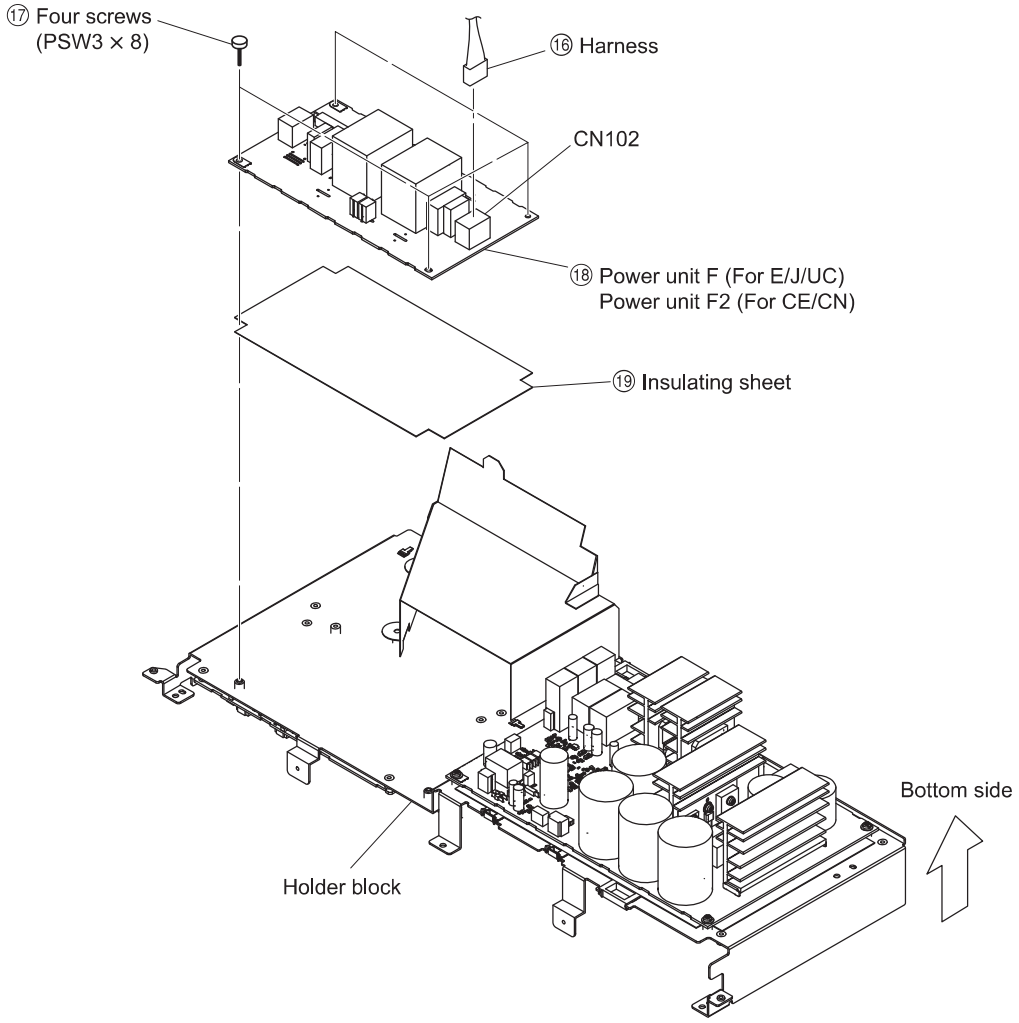
• Remove the top frame assembly. (Refer to Section 1-6-1.)



## 1-7-4. Power Unit F (For E/J/UC) and Power Unit F2 (For CE/CN)

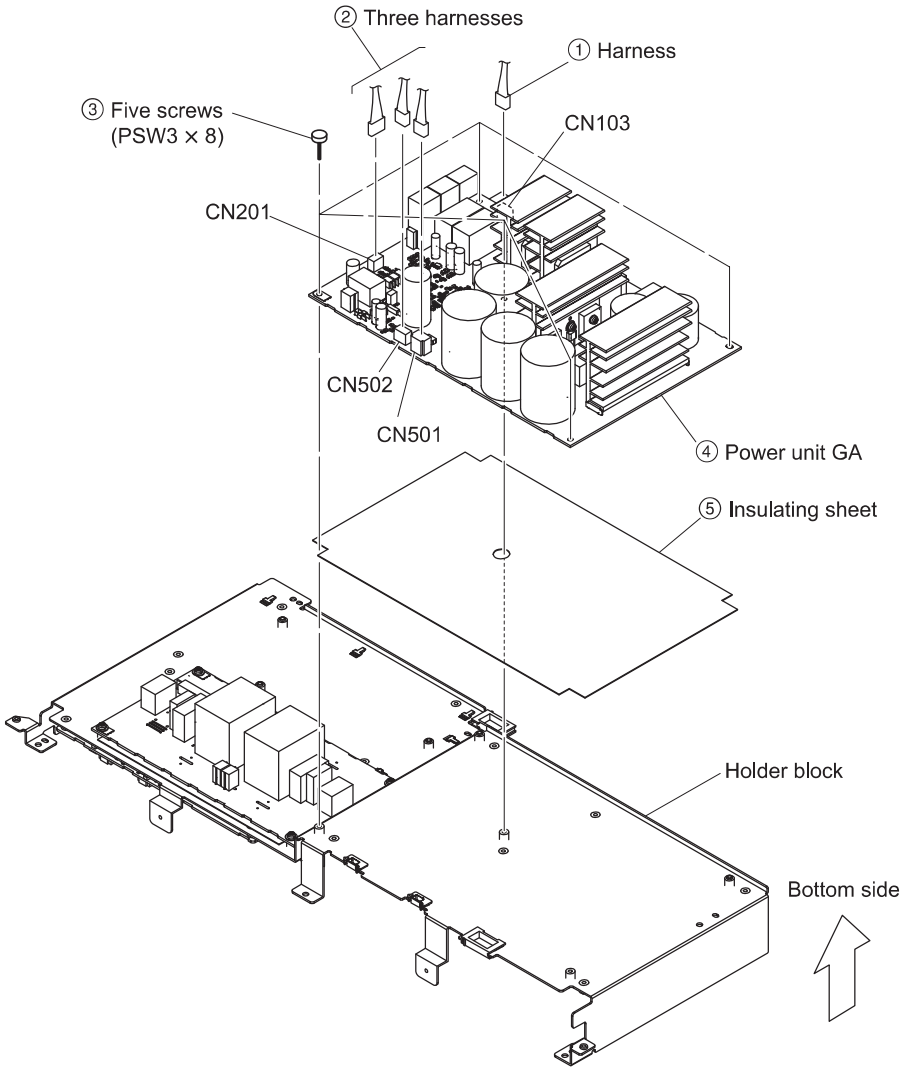
1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)
5. Remove the optical block overall assembly. (Refer to Section 1-7-2.)




⑰ Four screws
(PSW3 × 8)
⑯ Harness
CN102
⑱ Power unit F (For E/J/UC)
Power unit F2 (For CE/CN)
⑲ Insulating sheet
Bottom side
Holder block

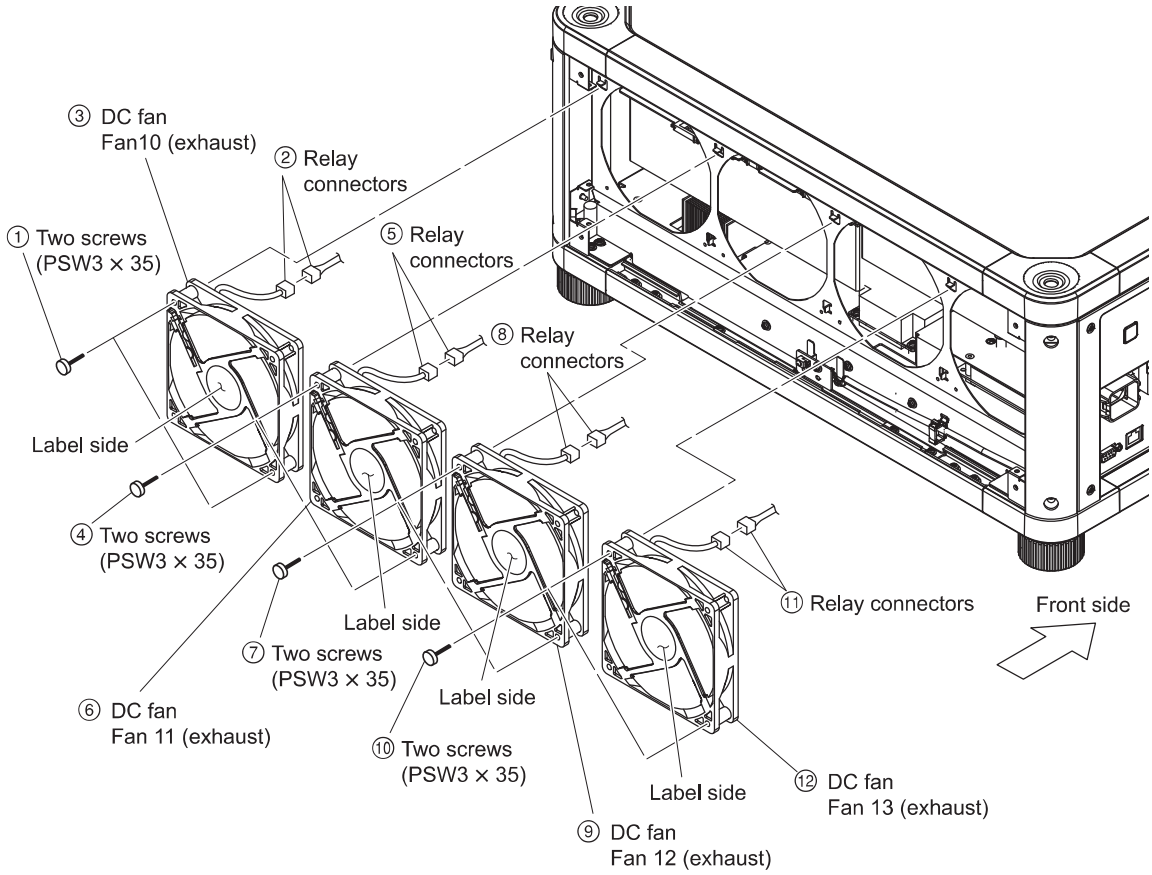
## 1-7-5. Power Unit GA

1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)
5. Remove the optical block overall assembly. (Refer to Section 1-7-2.)
6. Remove the holder block. (Refer to steps ① to ⑩ in Section 1-7-4.)



## 1-7-6. DC Fan (Exhaust)

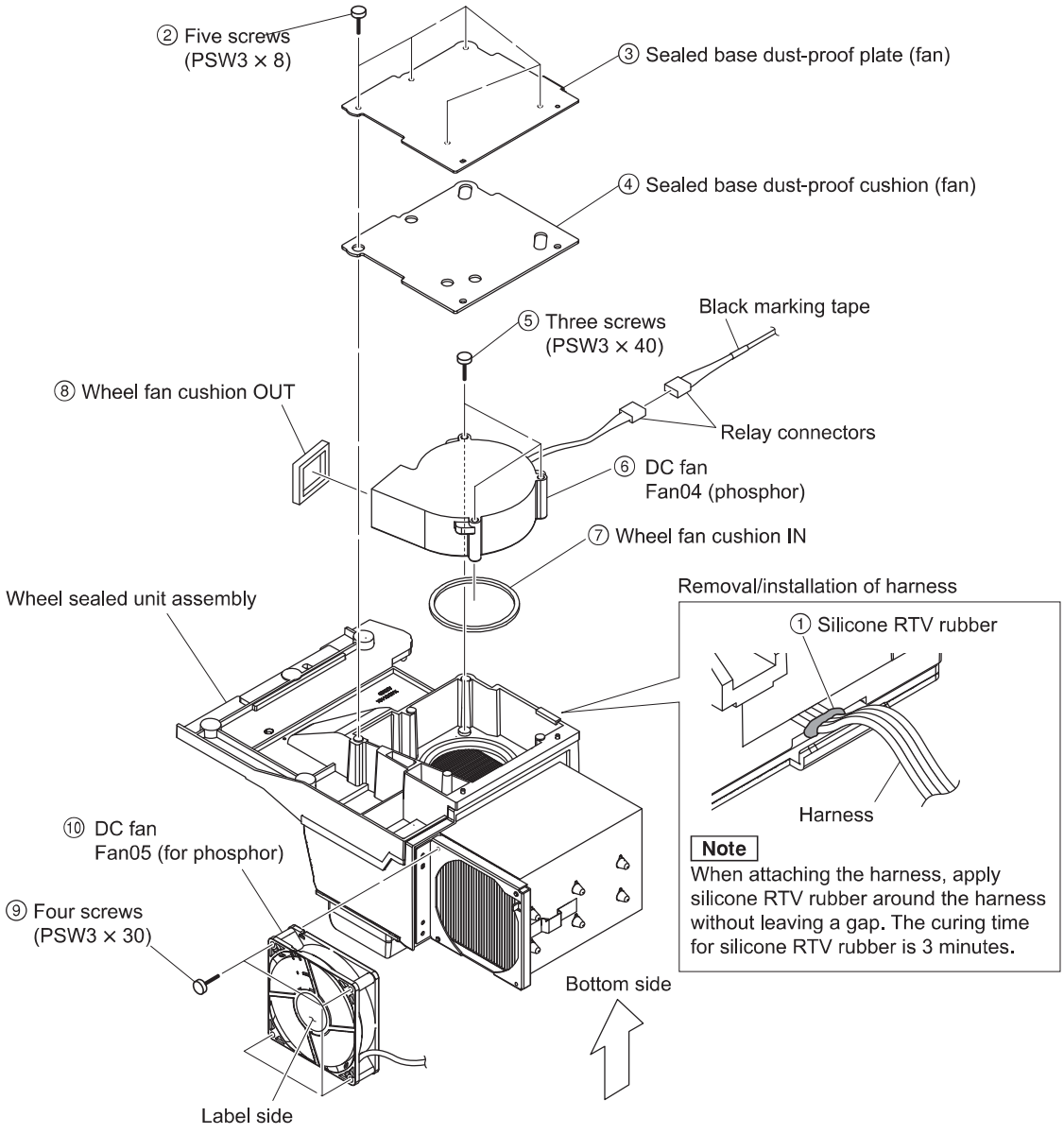
• Remove the rear panel assembly. (Refer to Section 1-6-4.)



## 1-7-7. DC Fan (For Phosphor)

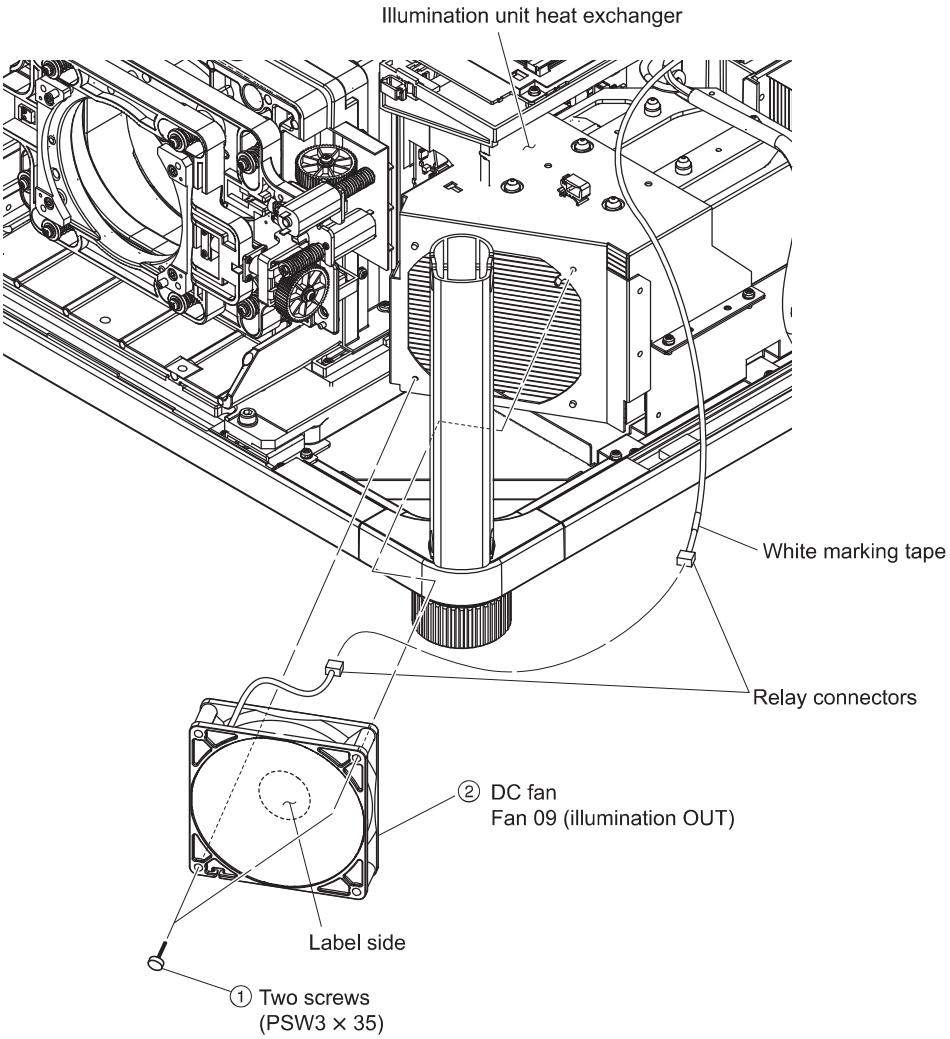
1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)

Required tool: Silicone RTV rubber (KE-3490) 150G GRY (Part No.: 7-322-065-48)



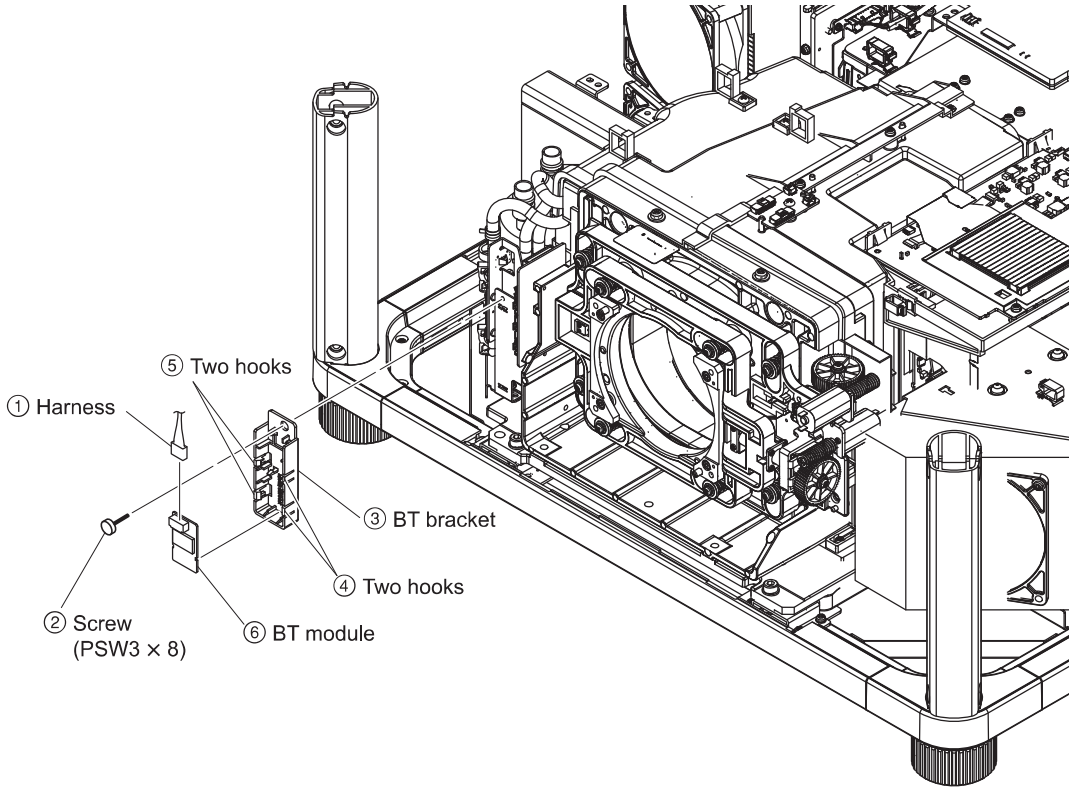
## 1-7-8. DC Fan (Illumination OUT)

1. Remove the top frame assembly. (Refer to Section 1-6-1.)
2. Remove the side panel (L). (Refer to Section 1-6-2.)
3. Remove the side panel (R). (Refer to Section 1-6-3.)
4. Remove the lens cover and front panel assembly. (Refer to Section 1-6-5.)



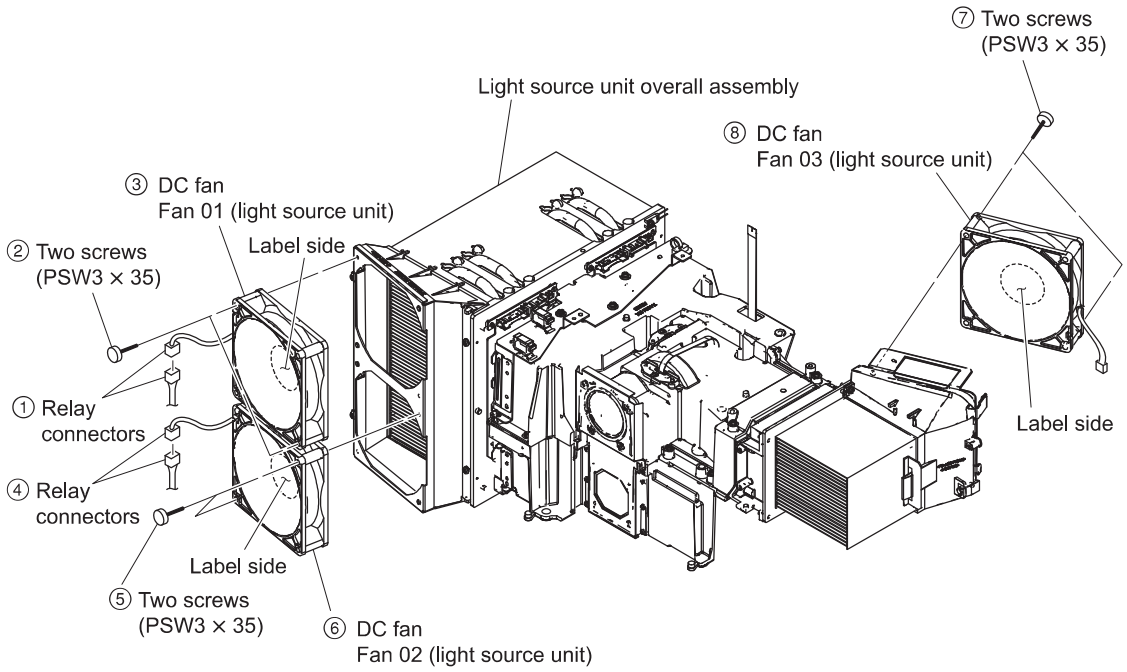
## 1-7-9. BT Module

1. Remove the top frame assembly. (Refer to Section 1-6-1.)
2. Remove the side panel (L). (Refer to Section 1-6-2.)
3. Remove the side panel (R). (Refer to Section 1-6-3.)
4. Remove the lens cover and front panel assembly. (Refer to Section 1-6-5.)



## 1-7-10. DC Fan (Light Source Unit)

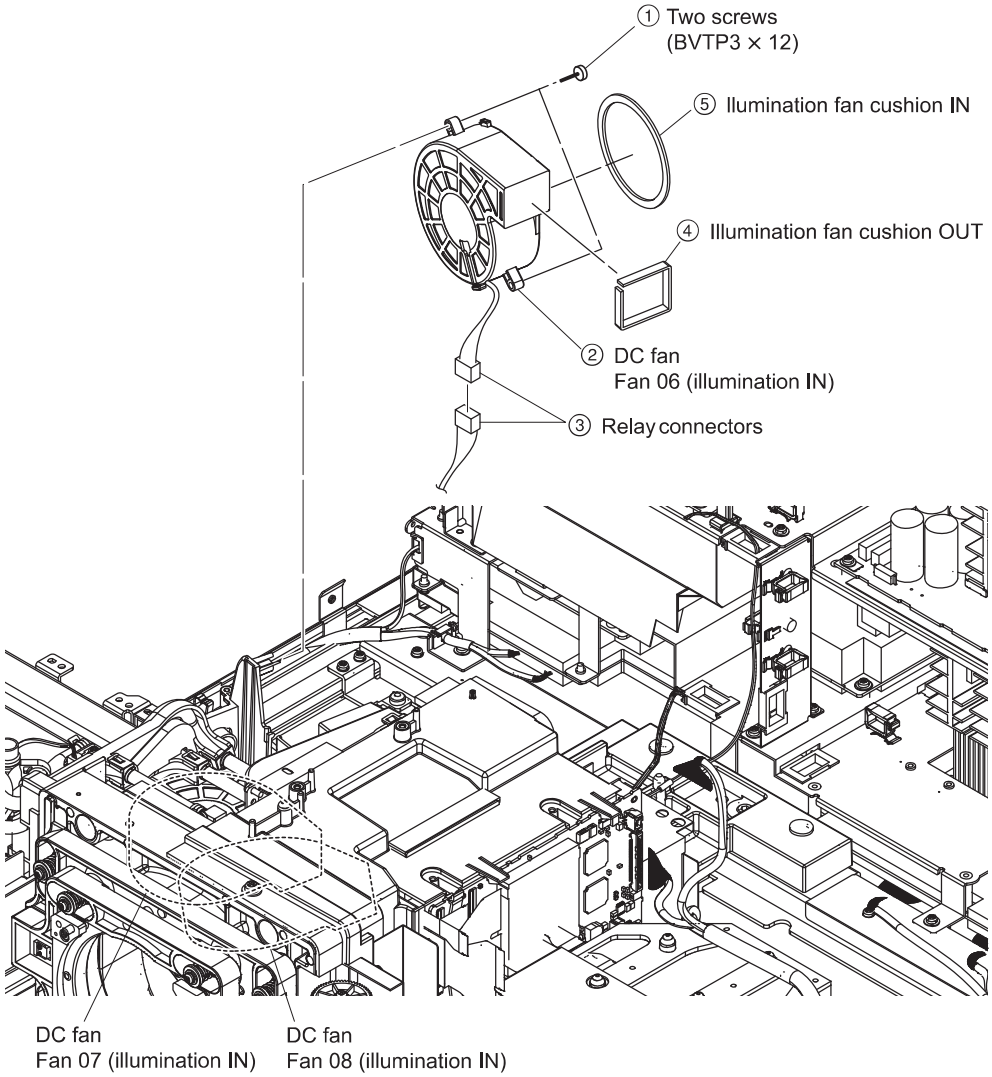
1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)



## 1-7-11. DC Fan (Illumination IN)

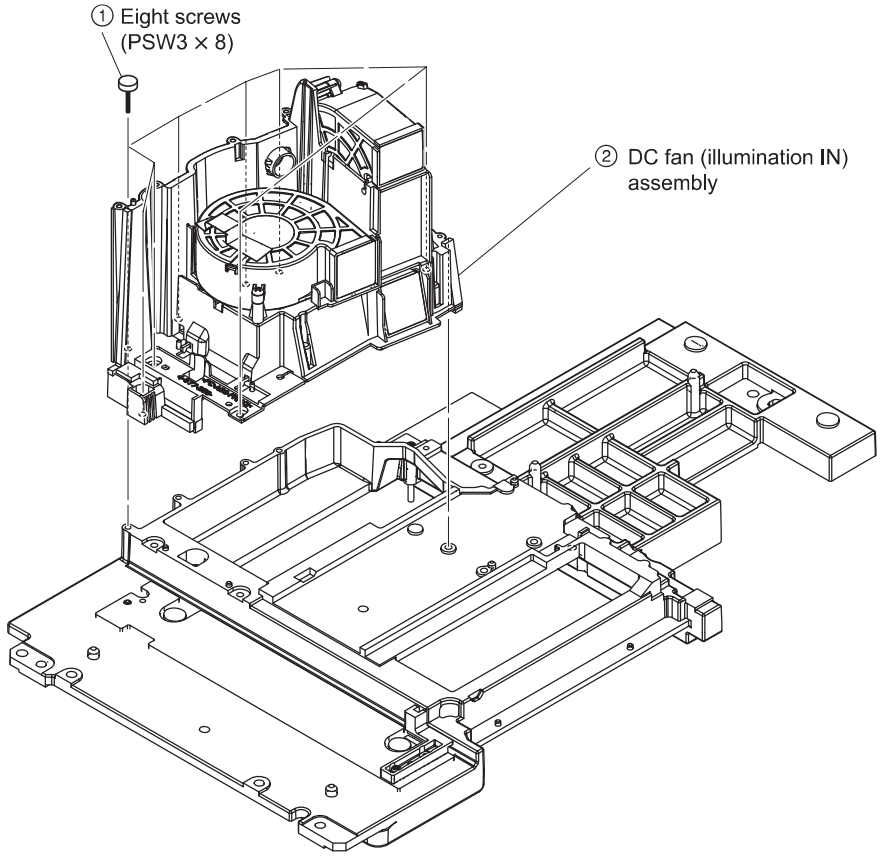
### Fan 06

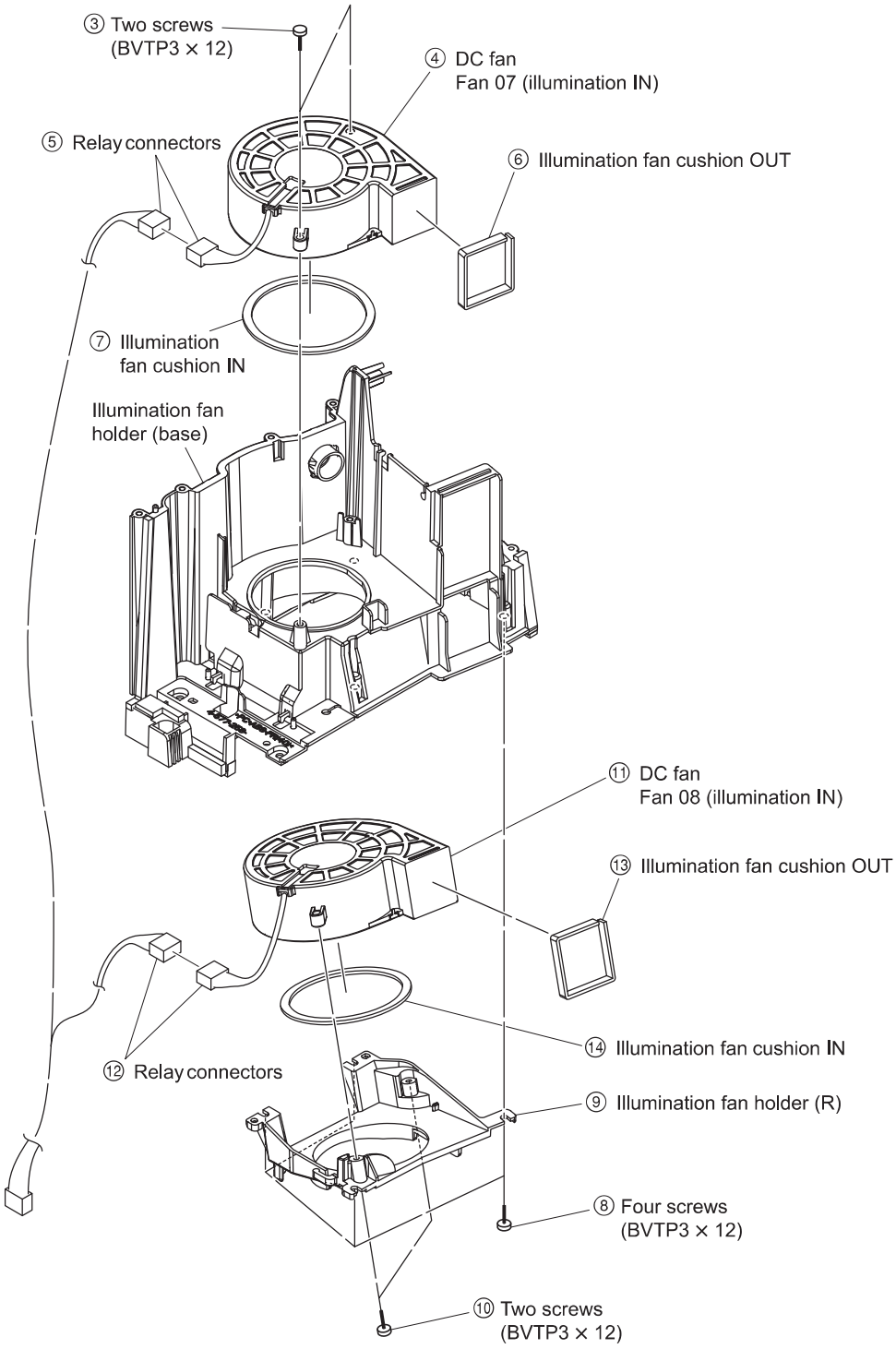
1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)
5. Remove the SM board. (Refer to Section 1-8-10.)
6. Remove the TA board. (Refer to Section 1-8-11.)
7. Remove the illumination cover (IN). (Refer to steps ① to ④ in "Optical block overall assembly" in Section 1-7-2.)



## Fan 07/Fan 08

1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)
5. Remove the SM board. (Refer to Section 1-8-10.)
6. Remove the TA board. (Refer to Section 1-8-11.)
7. Remove the Fan06 by referring to steps ① to ⑭ in “Fan06” in this Section.
8. Remove the optical block overall assembly by referring to steps ① to ⑭ in “Optical block overall assembly” in Section 1-7-2.
9. Remove the shift core assembly by referring to steps ① to ⑪ in “Shift core assembly” in Section 1-7-2.




③ Two screws
(BVTP3 × 12)
④ DC fan
Fan 07 (illumination IN)
⑤ Relay connectors
⑥ Illumination fan cushion OUT
⑦ Illumination
fan cushion IN
Illumination fan
holder (base)
⑪ DC fan
Fan 08 (illumination IN)
⑬ Illumination fan cushion OUT
⑭ Illumination fan cushion IN
⑫ Relay connectors
⑨ Illumination fan holder (R)
⑧ Four screws
(BVTP3 × 12)
⑩ Two screws
(BVTP3 × 12)

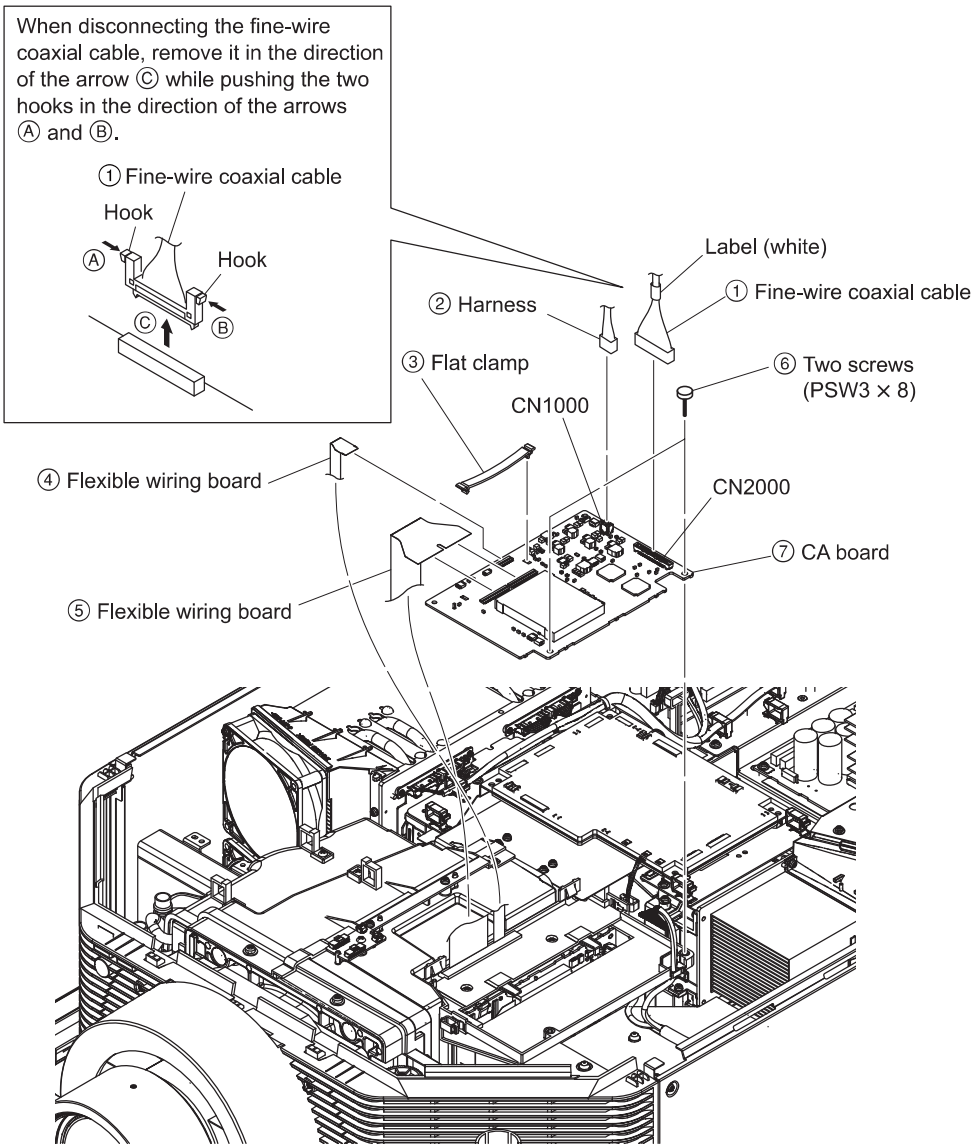
## 1-8. Replacing the Board

**Tip**

In this section, remove the parts in numerical order as shown in the illustration.

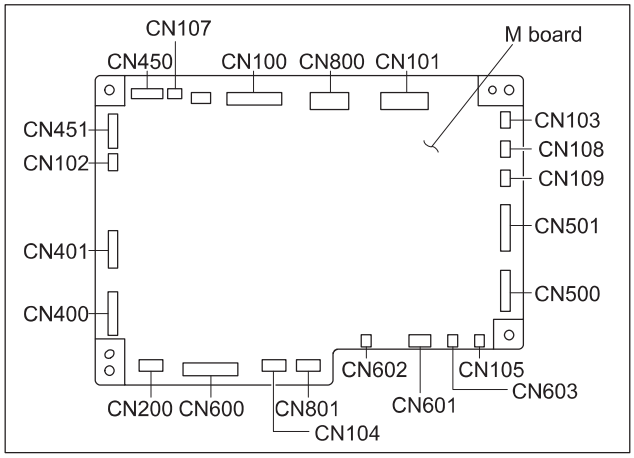
### 1-8-1. CA Board

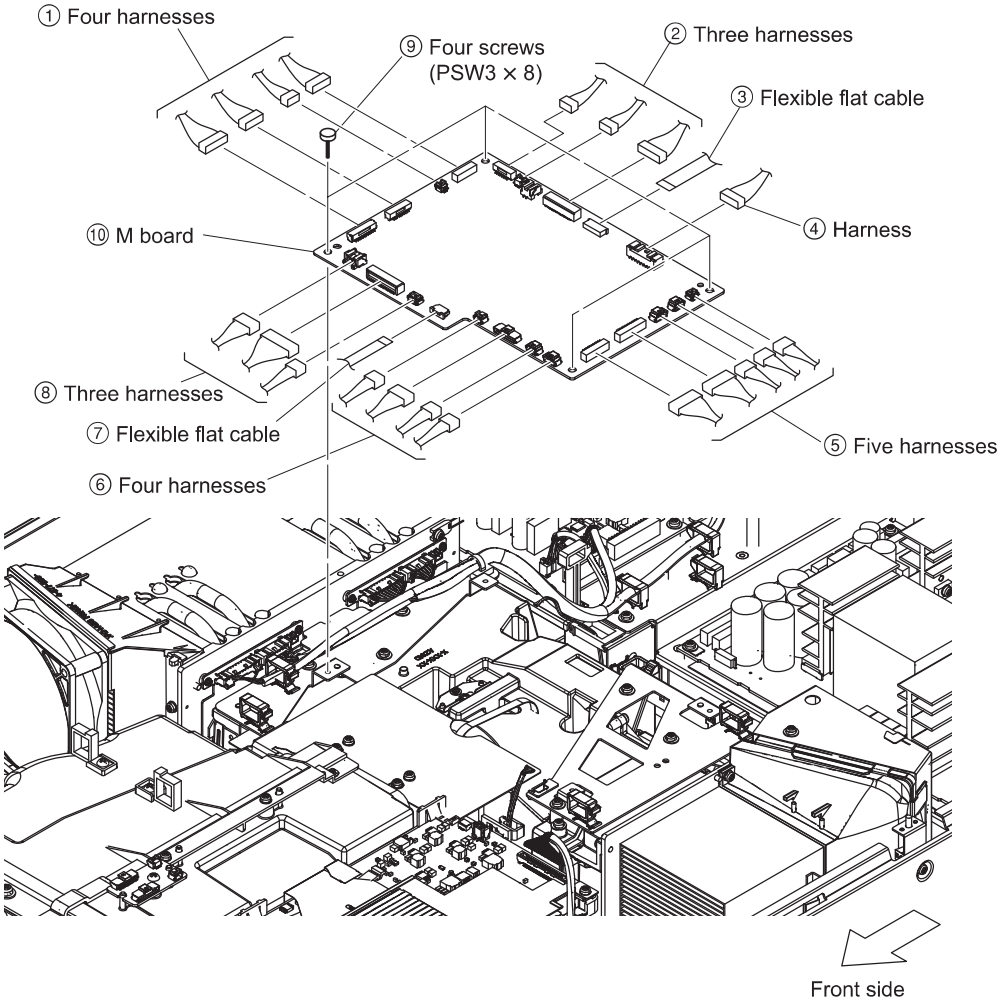
- Remove the top frame assembly. (Refer to Section 1-6-1.)



## 1-8-2. M Board

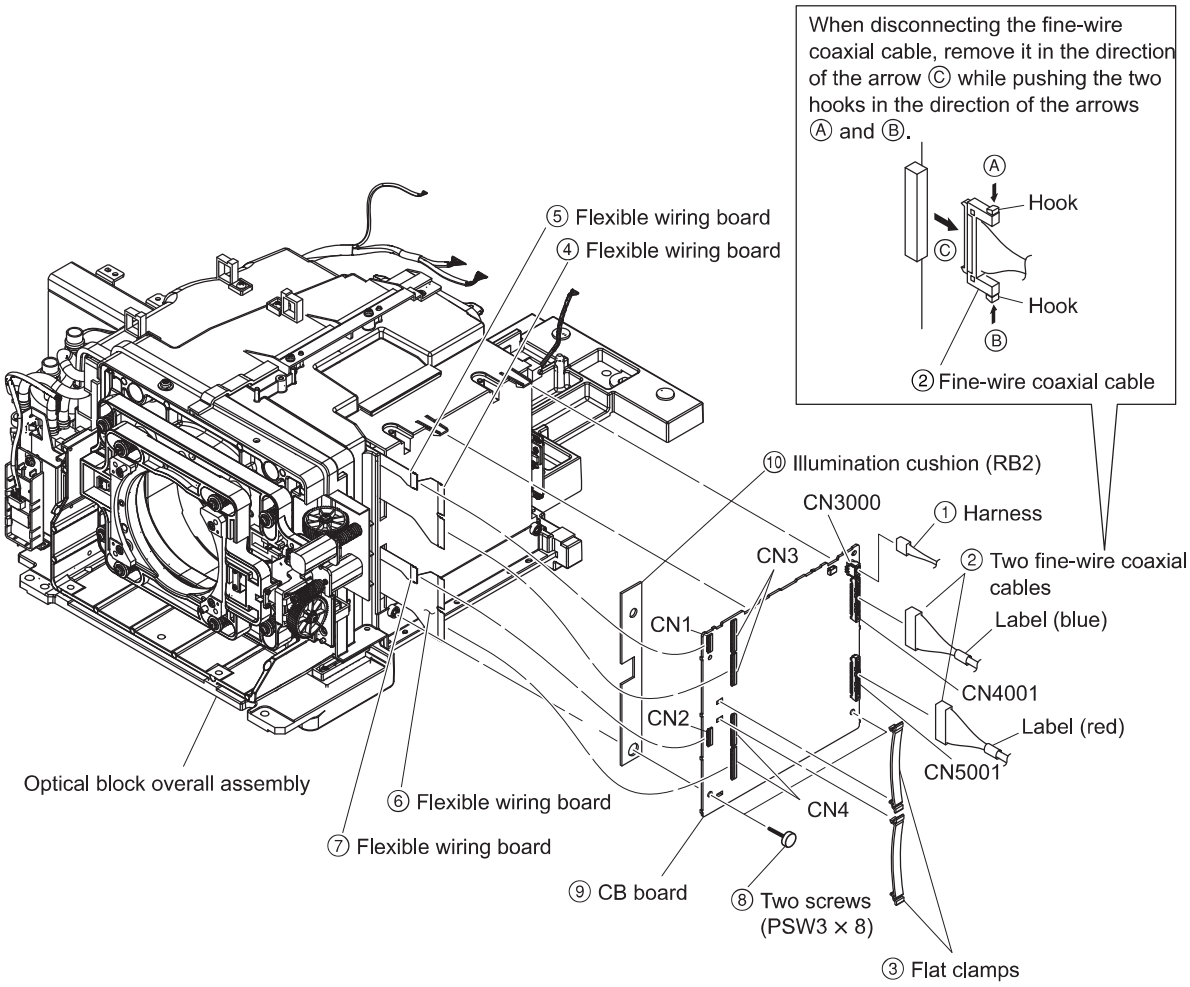
• Remove the top frame assembly. (Refer to Section 1-6-1.)



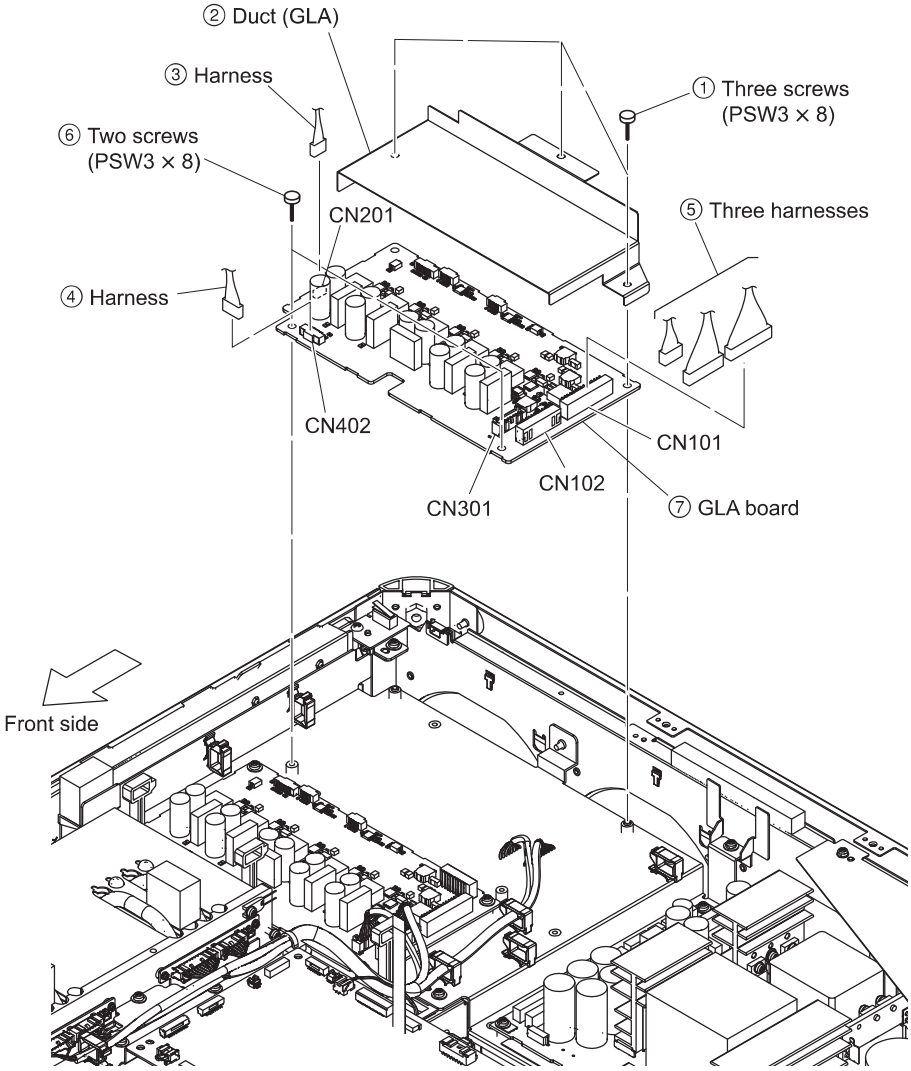
## 1-8-3. CB Board

1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)
5. Remove the optical block overall assembly. (Refer to steps ① to ⑭ in "Optical block overall assembly" in Section 1-7-2.)



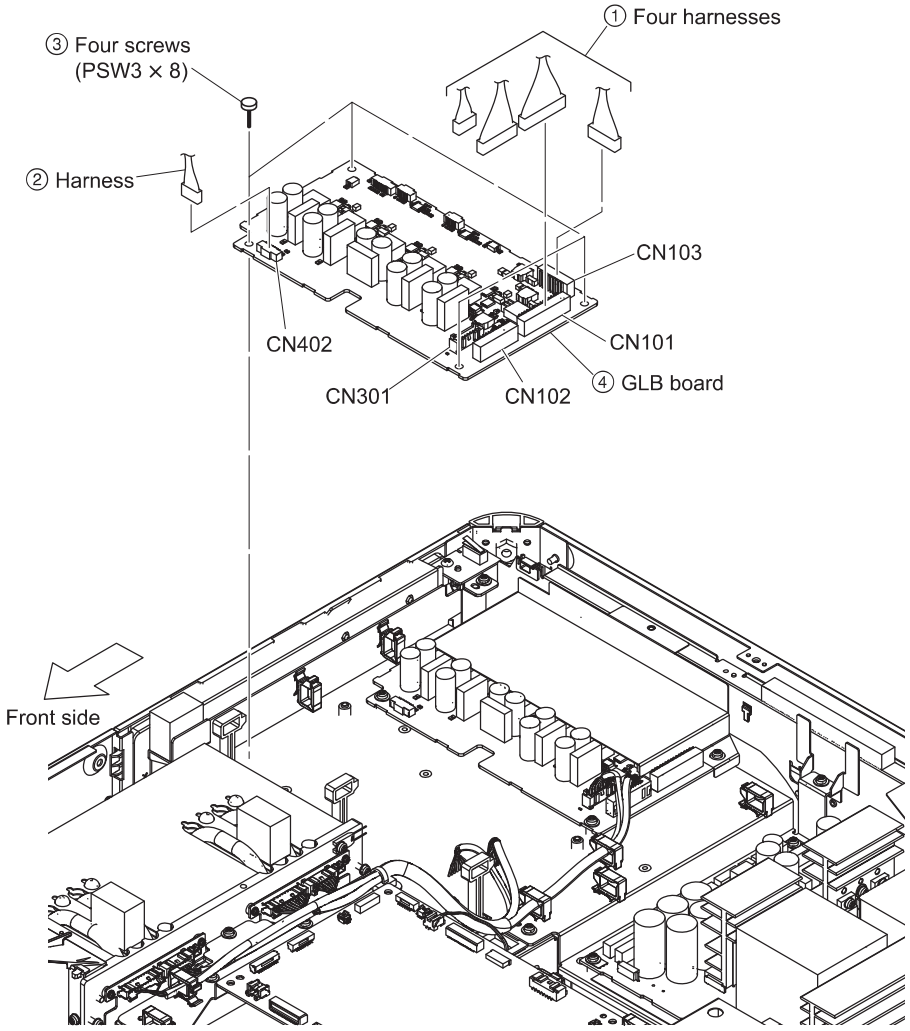
## 1-8-4. GLA Board

• Remove the top frame assembly. (Refer to Section 1-6-1.)



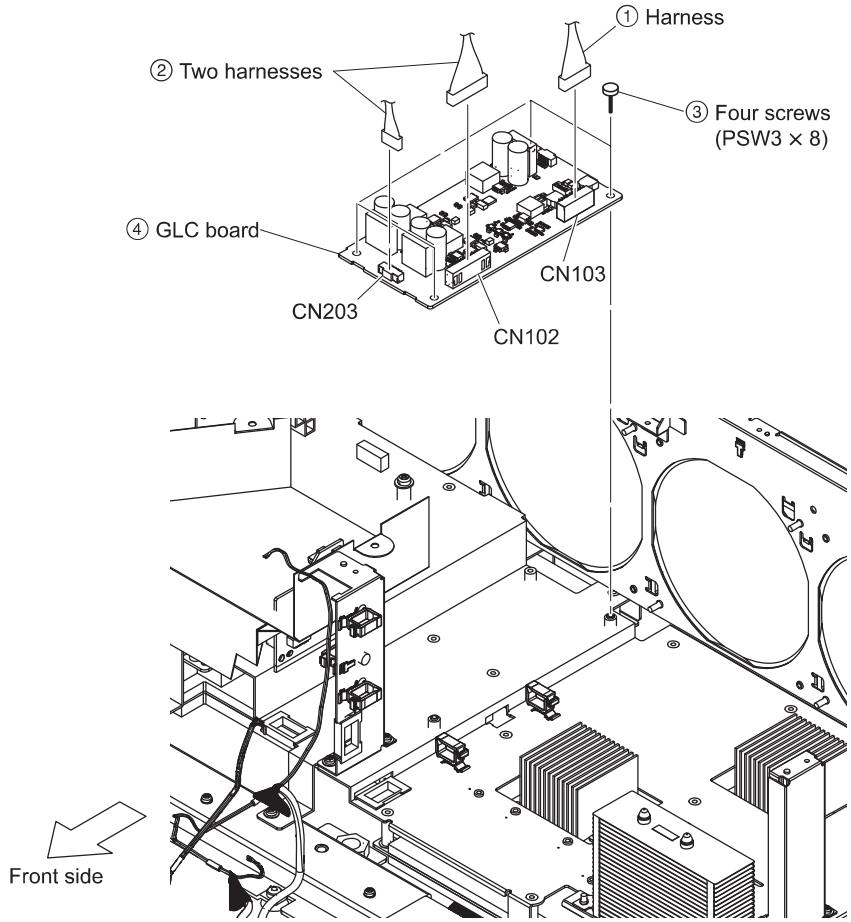
## 1-8-5. GLB Board

• Remove the top frame assembly. (Refer to Section 1-6-1.)



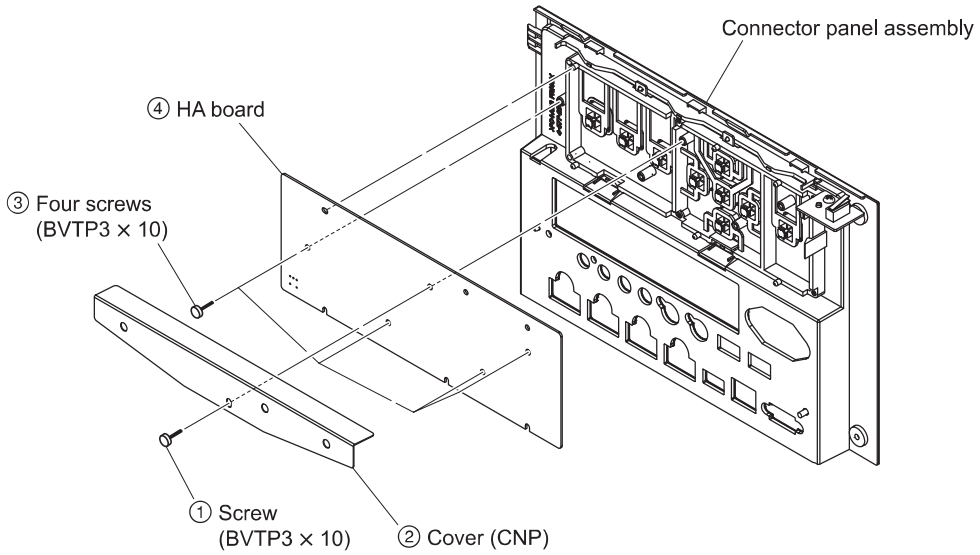
## 1-8-6. GLC Board

1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)
5. Remove the optical block overall assembly. (Refer to steps ① to ⑭ in "Optical block overall assembly" in Section 1-7-2.)
6. Remove the holder block. (Refer to steps ① to ⑩ in Section 1-7-4.)



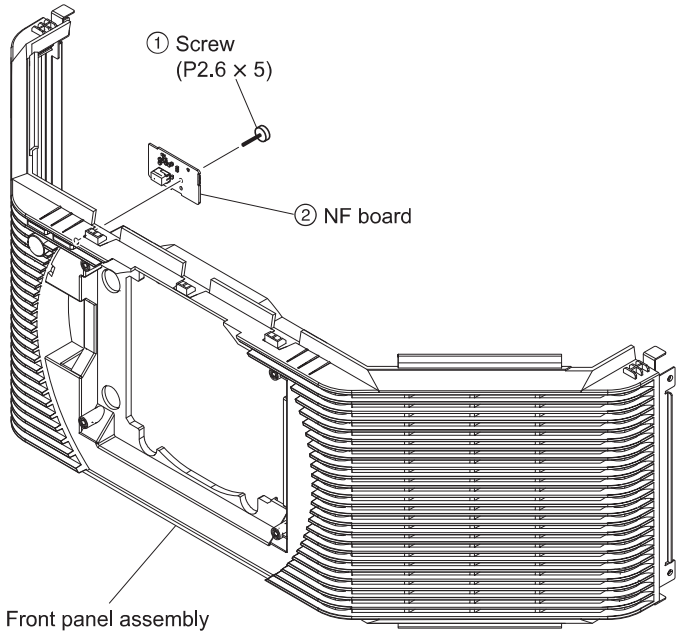
## 1-8-7. HA Board

1. Remove the top frame assembly. (Refer to Section 1-6-1.)
2. Remove the side panel (L). (Refer to Section 1-6-2.)
3. Remove the connector panel. (Refer to Section 1-6-6.)



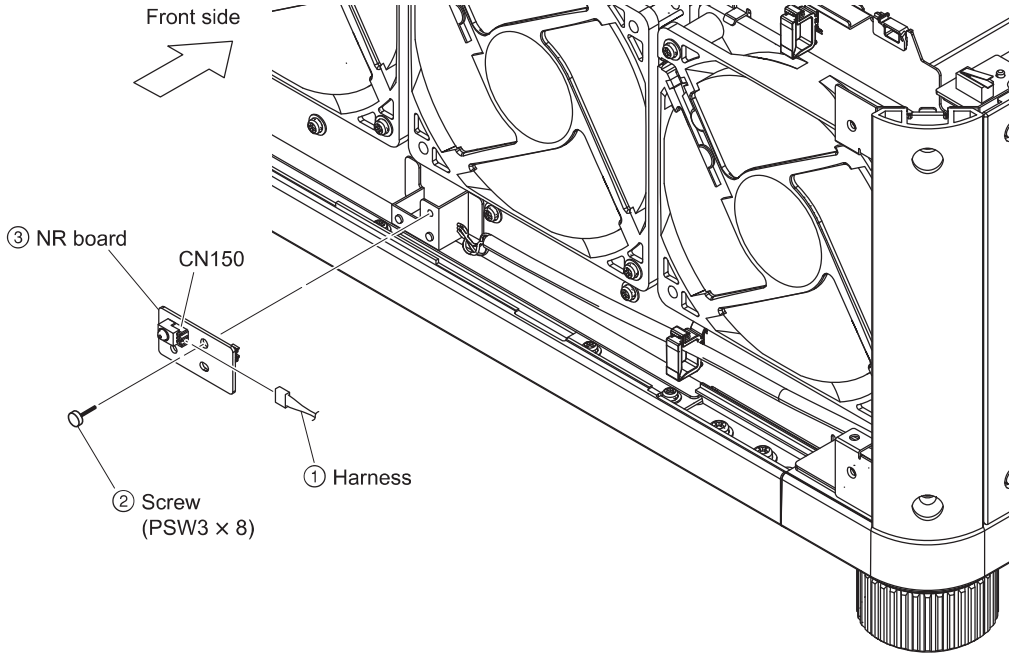

## 1-8-8. NF Board

1. Remove the top frame assembly. (Refer to Section 1-6-1.)
2. Remove the side panel (L). (Refer to Section 1-6-2.)
3. Remove the side panel (R). (Refer to Section 1-6-3.)
4. Remove the lens cover and front panel assembly. (Refer to Section 1-6-5.)



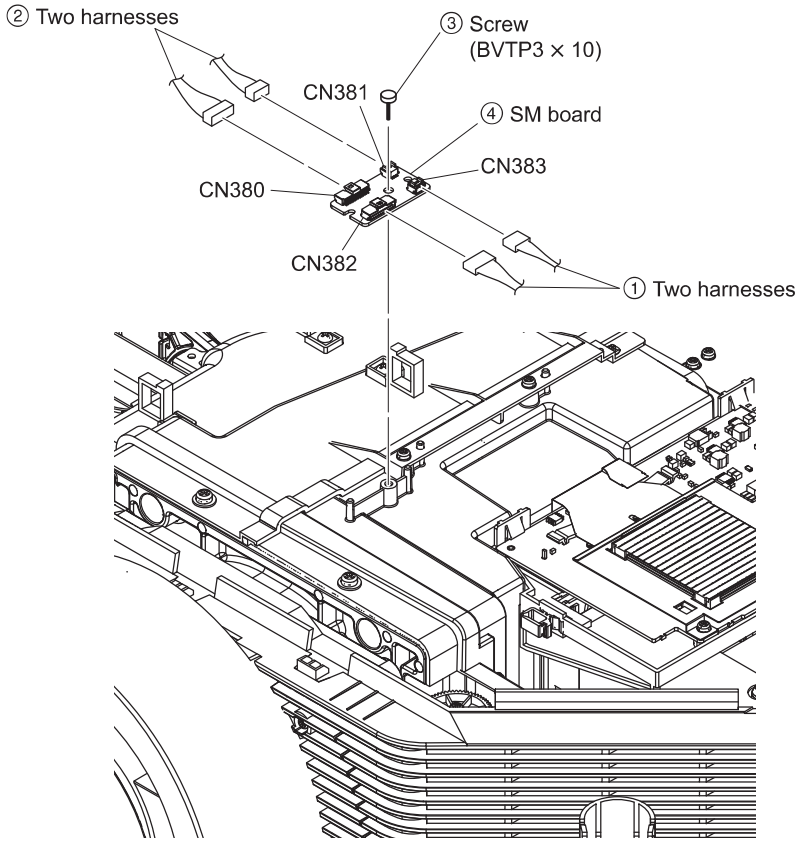
## 1-8-9. NR Board

1. Remove the top frame assembly. (Refer to Section 1-6-1.)
2. Remove the rear panel assembly. (Refer to Section 1-6-4.)



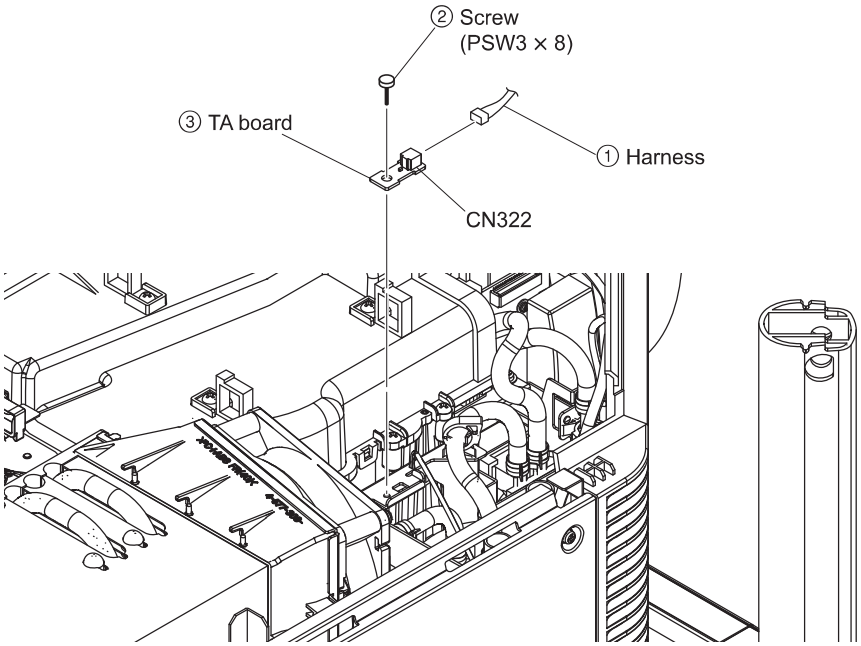
## 1-8-10. SM Board

• Remove the top frame assembly. (Refer to Section 1-6-1.)



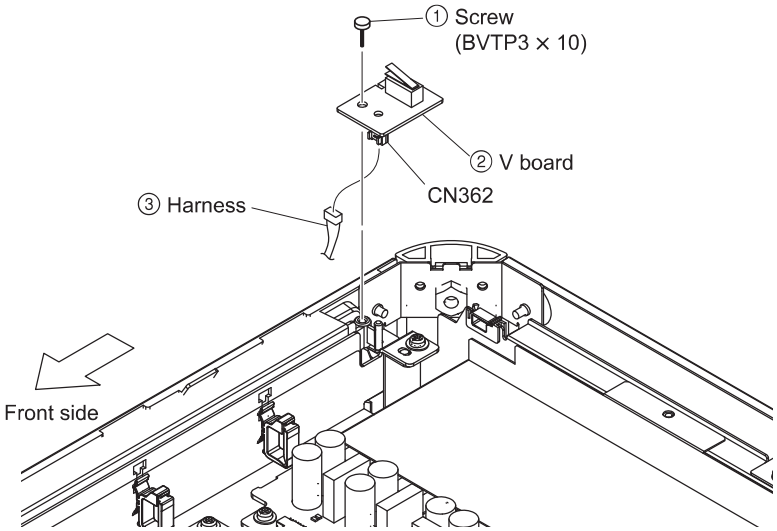
## 1-8-11. TA Board

• Remove the top frame assembly. (Refer to Section 1-6-1.)



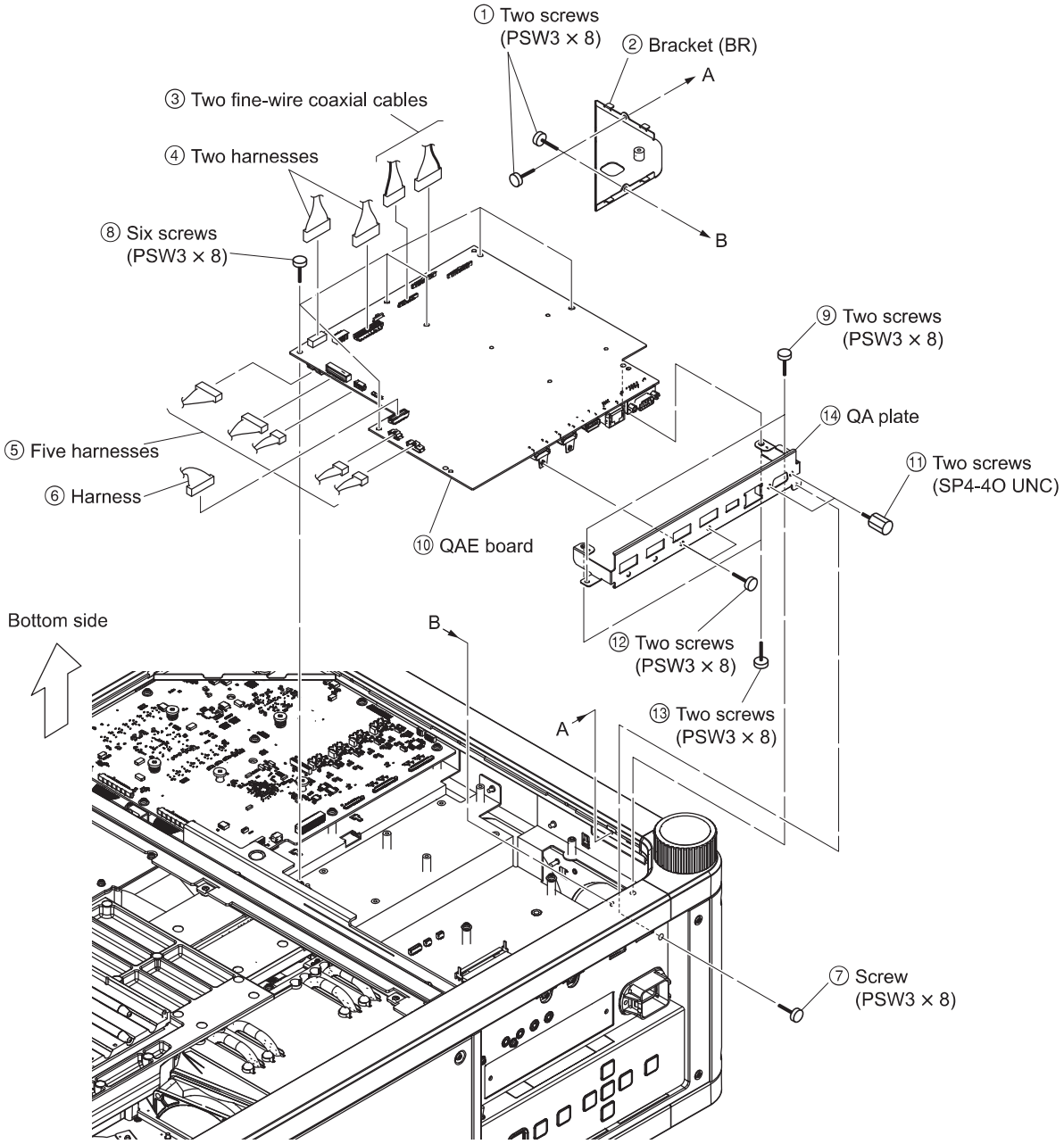

## 1-8-12. V Board

• Remove the top frame assembly. (Refer to Section 1-6-1.)



## 1-8-13. QAE Board

• Remove the bottom cover. (Refer to Section 1-6-7.)

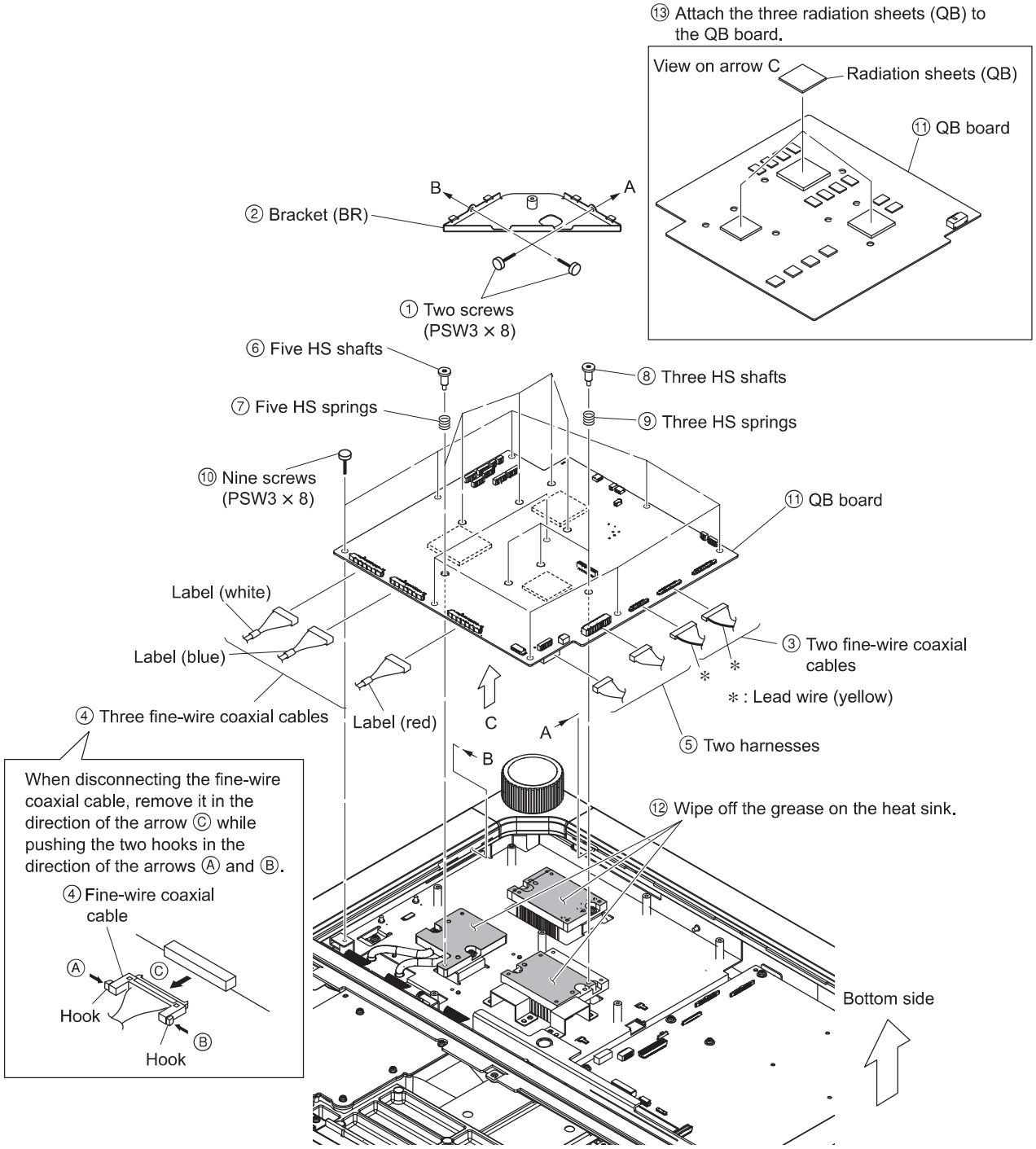


## 1-8-14. QB Board

**Tip**

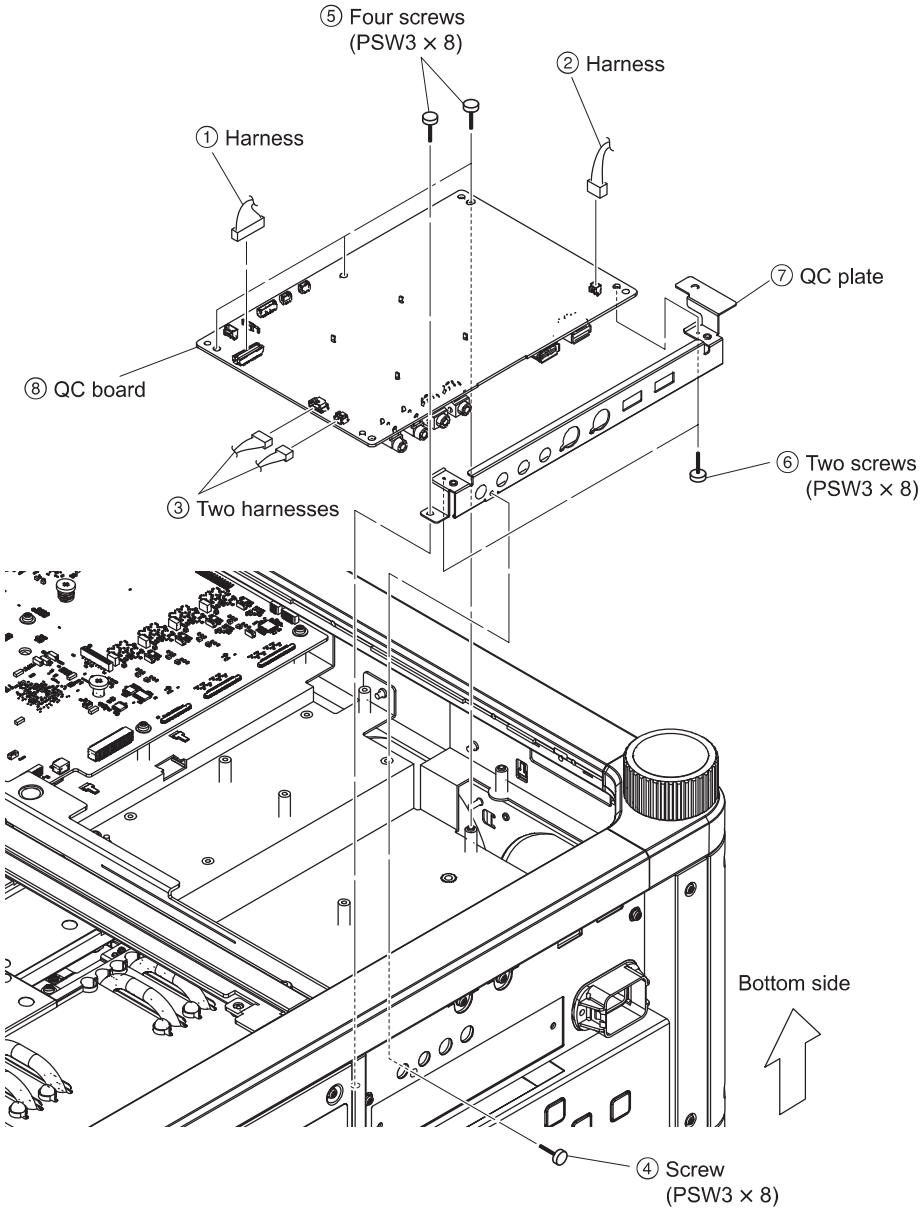
The three radiation sheets (QB) on the QB board are not attached at the factory.
When replacing the QB board, prepare the following part. Then, wipe off the grease on the heat sink completely and attach the radiation sheets (QB) to the QB board.
Radiation sheet (QB): Parts number 4-592-017-01

- Remove the bottom cover. (Refer to Section 1-6-7.)



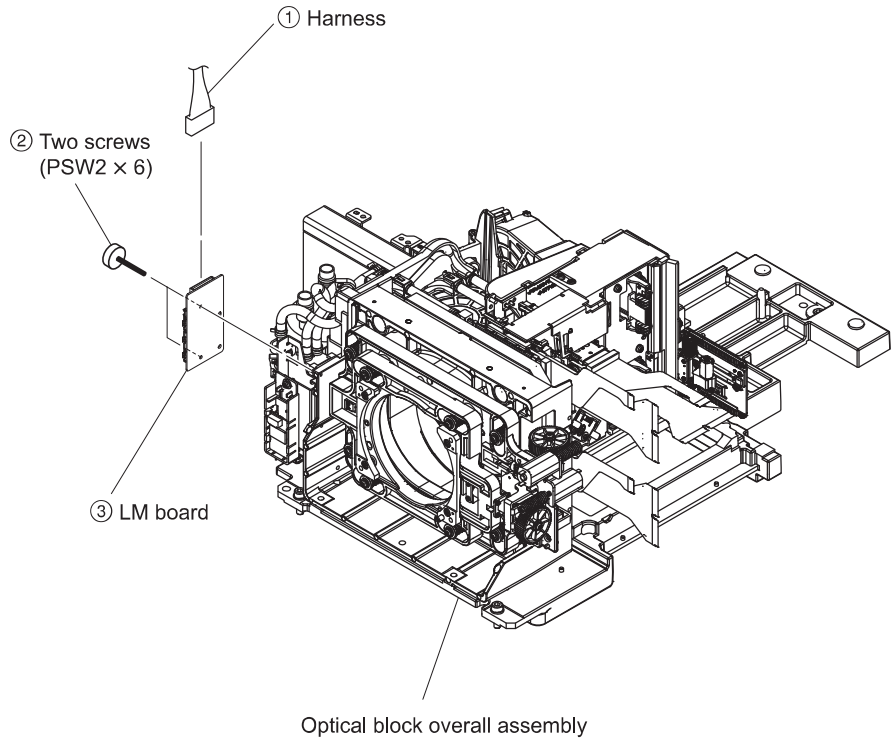
## 1-8-15. QC Board

1. Remove the bottom cover. (Refer to Section 1-6-7.)
2. Remove the QAE board. (Refer to Section 1-8-13.)



## 1-8-16. LM Board

1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to Section 1-7-1.)
5. Remove the TA board. (Refer to Section 1-8-11.)
6. Remove the optical block overall assembly. (Refer to steps ① to ⑭ in "Optical block overall assembly" in Section 1-7-2.)



## 1-9. Removing/Installing Optional Lens

In this unit, the two types of optional lenses are available.
- VPLL-Z7008 (Short throw lens)
- VPLL-Z7013 (Normal throw lens)

Note that these optional lenses are installed in different procedures.

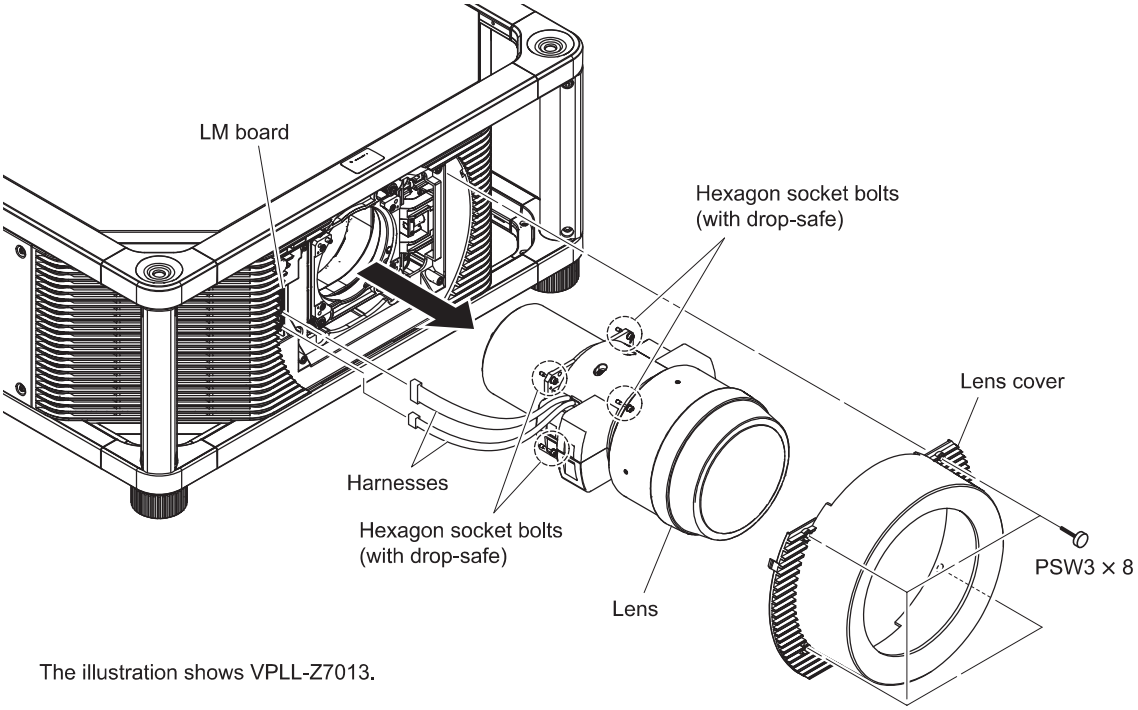
**WARNING**
- Do not work with this unit suspended from the ceiling.
- When replacing the lens, turn off the power of this unit and disconnect the power cord.

**Note**
- Be careful not to drop the lens.
- Do not touch the lens portion.

Required tool: Hexagonal wrench (Subtense: 2.5 mm)

### Removal

1. Remove the four screws, then remove the lens cover.
2. Loosen the four hexagon socket bolts (with drop-safe).
3. Disconnect the harnesses from the two connectors on the LM board.
4. Remove the lens.

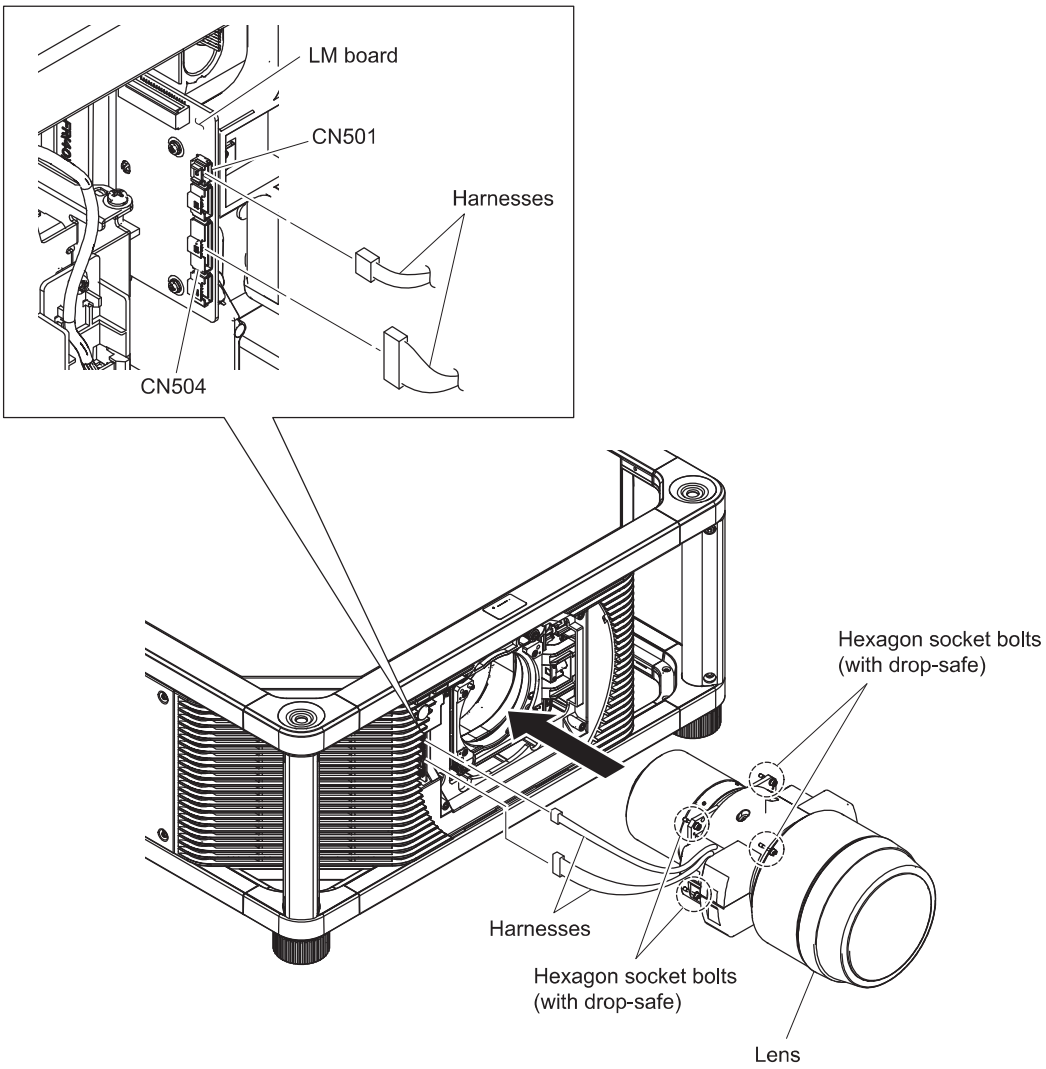



The illustration shows VPLL-Z7013.

## Installation

### VPLL-Z7008

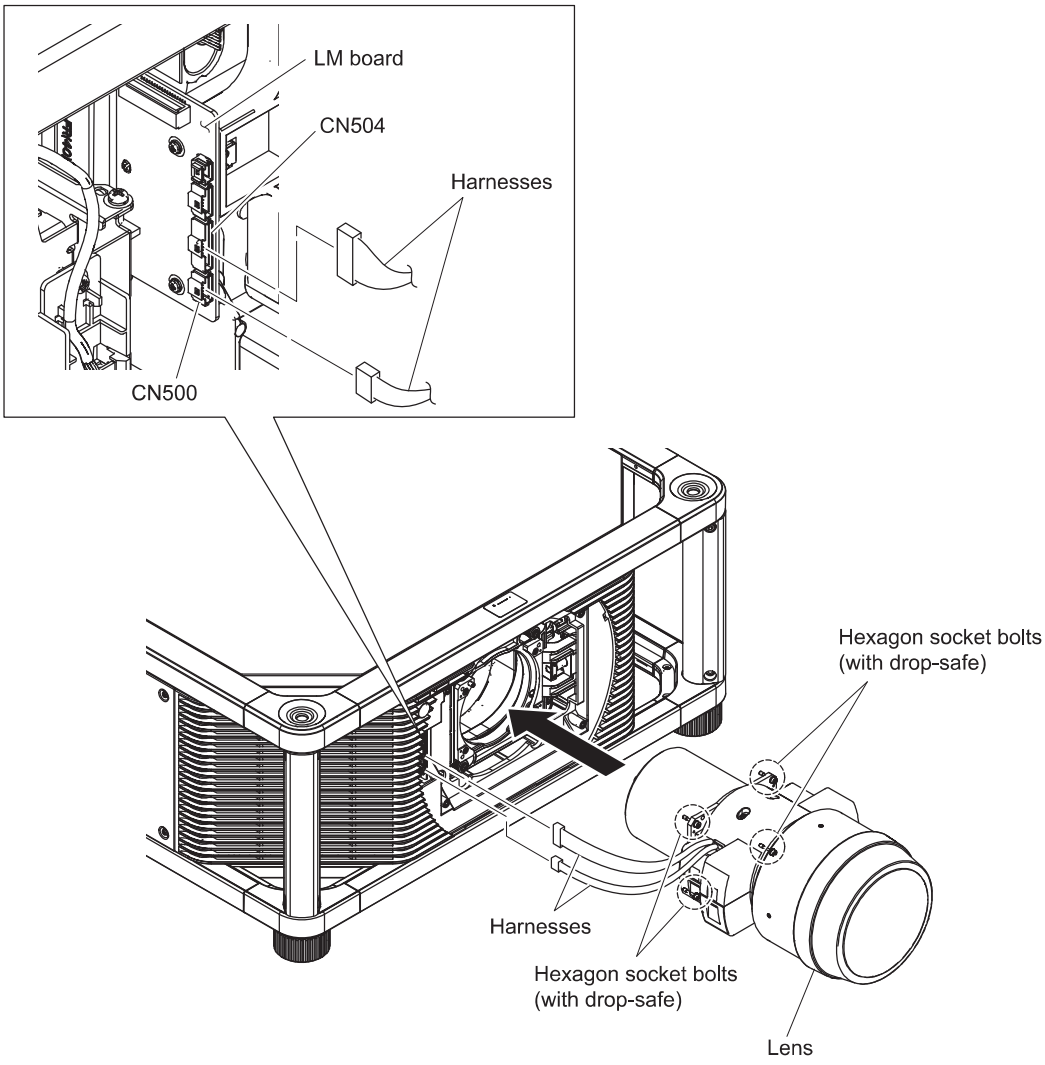
1. Attach the lens, then tighten the four hexagon socket bolts (with drop-safe).
2. Connect the harnesses to the two connectors (CN501 and CN504) on the LM board.




3. Attach the lens cover in the reverse order of step 1 in “Removal”.

**VPLL-Z7013**

1. Attach the lens, then tighten the four hexagon socket bolts (with drop-safe).
2. Connect the harnesses to the two connectors (CN500 and CN504) on the LM board.




3. Attach the lens cover in the reverse order of step 1 in “Removal”.

# 1-10. Maintenance

## 1-10-1. Cleaning

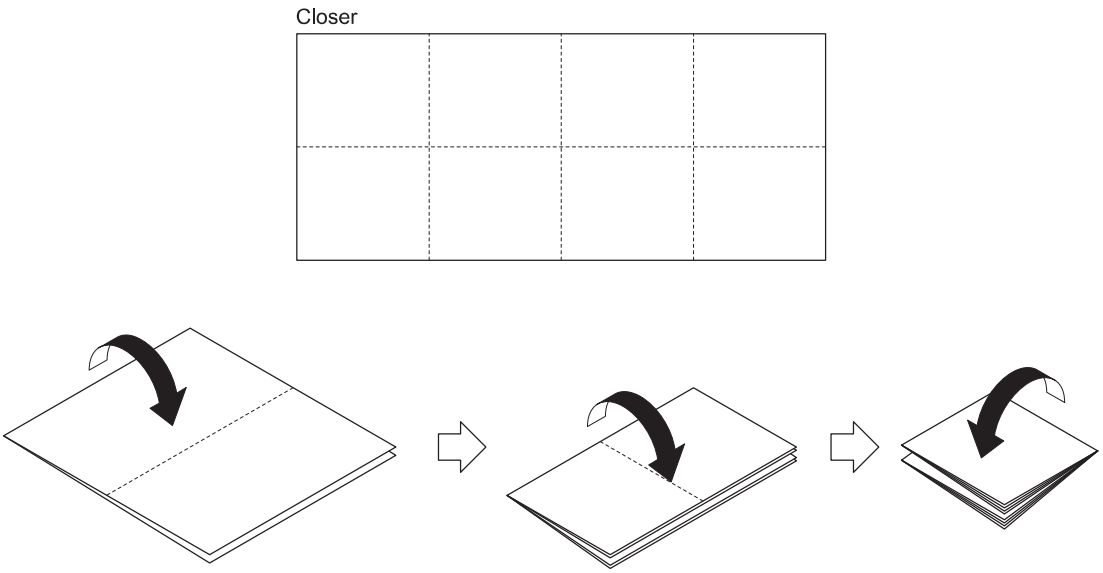
If dust and dirt enter inside of this unit and adhere to the surface of the optical parts, the degradation of luminance and the discoloration of screen may occur. In this case, perform the cleaning as required.

### Required items

- Torx screwdriver
- Absolute alcohol (ethanol: 99.5% or more or propanol: 99.5% or more)
- Dedicated cleaning cloth (such as closer)
- Wash bottle
- Air blower
- Fingerstall
- Cotton swab

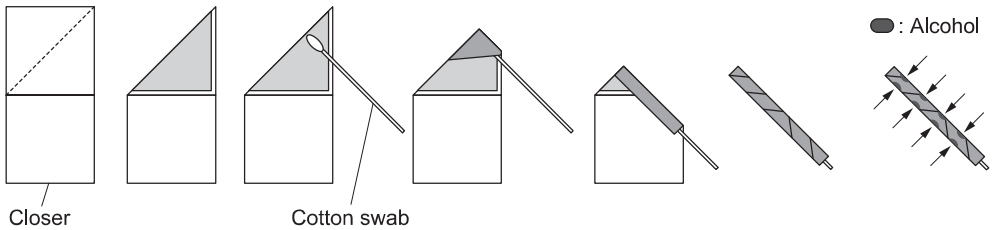
### Preparation

When using the closer (dry), fold it in four as shown in the illustration.




To remove the dust and dirt in the portions difficult to be cleaned, create the wiper in the procedure as shown in the illustration below and use it for cleaning as required.

How to create the wiper for cleaning
Fold the upper half of the closer into triangle. Place a cotton swab on the closer and wrap it.
When the wiper is created, put alcohol to the eight points of it.



## Emission Side of Lens B/ Emission Side of Filter GR

### Preparation

1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the BT module. (Refer to Section 1-7-9.)
5. Remove the light source unit overall assembly. (Refer to steps ① to ⑳ in Section 1-7-1.)

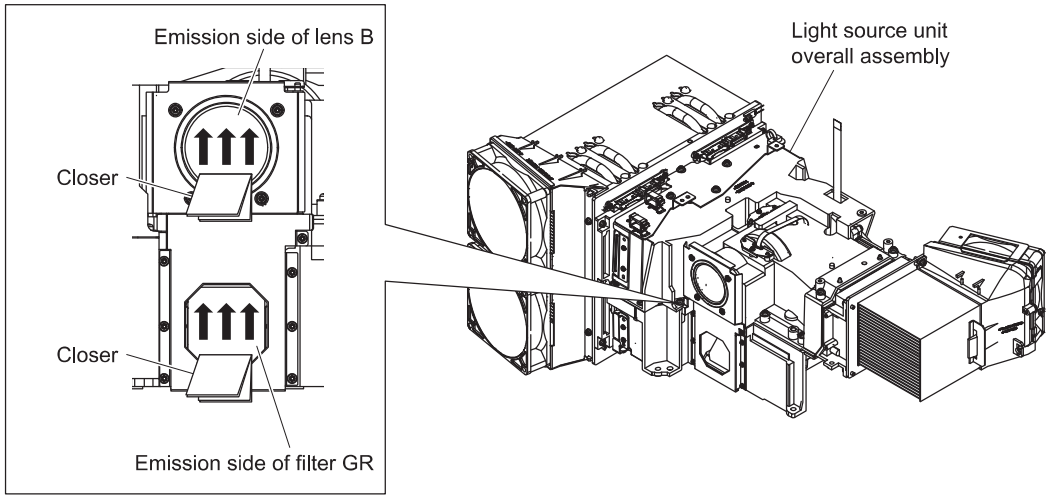
### Procedure

**Emission side of lens B**

1. Wipe the emission side of lens B in one direction from bottom to top using the closer dampened with alcohol.
2. After wiping it once, fold back the closer and wipe it using the clean side.
3. Wipe it using the new dry closer in the direction of the arrow.

**Emission side of filter GR**

4. Wipe the emission side of filter GR in one direction from bottom to top using the closer dampened with alcohol.
5. After wiping it once, fold back the closer and wipe it using the clean side.
6. Wipe it using the new dry closer in the direction of the arrow.




7. Assemble this unit in the reverse order of “Preparation”.

## Emission Side of Prism/Incident Side of Fly-eye B/Incident side of Fly-eye GR

### Preparation

1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to steps ① to ⑳ in Section 1-7-1.)
5. Remove the SM board. (Refer to Section 1-8-10.)
6. Remove the TA board. (Refer to Section 1-8-11.)
7. Remove the optical block overall assembly. (Refer to steps ① to ⑭ in "Optical block overall assembly" in Section 1-7-2.)

### Procedure

**Emission side of prism**

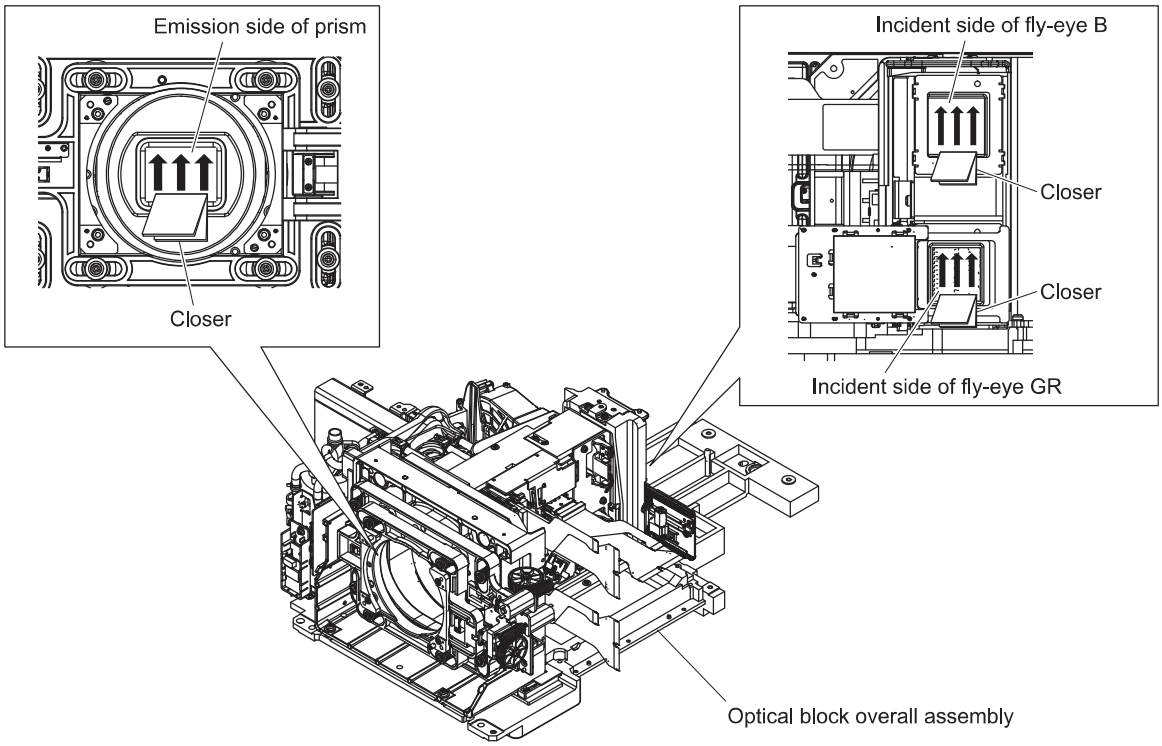
1. Wipe the emission side of prism in one direction from bottom to top using the closer dampened with alcohol.
2. After wiping it once, fold back the closer and wipe it using the clean side.
3. Wipe it using the new dry closer in the direction of the arrow.

**Incident side of fly-eye B**

4. Wipe the incident side of fly-eye B in one direction from bottom to top using the closer dampened with alcohol.
5. After wiping it once, fold back the closer and wipe it using the clean side.
6. Wipe it using the new dry closer in the direction of the arrow.

**Incident side of fly-eye GR**

7. Wipe the incident side of fly-eye GR in one direction from bottom to top using the closer dampened with alcohol.
8. After wiping it once, fold back the closer and wipe it using the clean side.
9. Wipe it using the new dry closer in the direction of the arrow.




10. Assemble this unit in the reverse order of "Preparation".

## CSC Unit Assembly

### Preparation

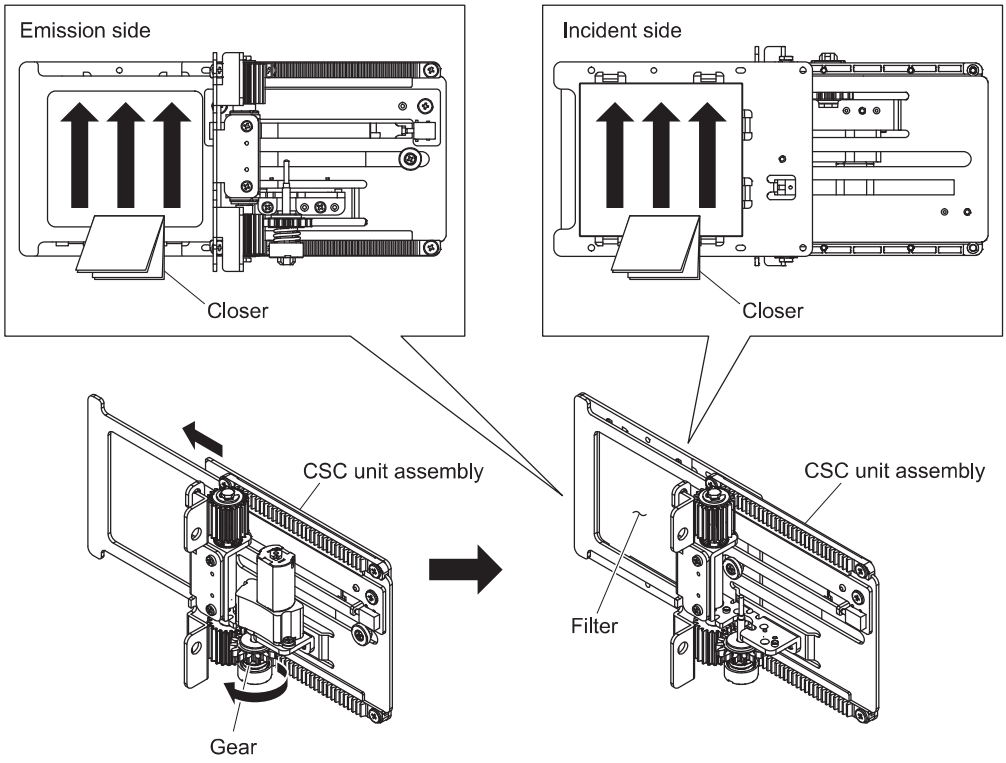
1. Remove the cabinet. (Refer to Sections 1-6-1 to 1-6-6.)
2. Remove the CA board. (Refer to Section 1-8-1.)
3. Remove the M board. (Refer to Section 1-8-2.)
4. Remove the light source unit overall assembly. (Refer to steps ① to ⑳ in Section 1-7-1.)
5. Remove the SM board. (Refer to Section 1-8-10.)
6. Remove the TA board. (Refer to Section 1-8-11.)
7. Remove the optical block overall assembly. (Refer to steps ① to ⑭ in "Optical block overall assembly" in Section 1-7-2.)
8. Remove the CSC unit assembly. (Refer to "MC adjustment assembly" in Section 1-7-2.)

### Procedure

1. Rotate the gear of the CSC unit assembly in the direction of the arrow to make the filter closed state.
2. Wipe both sides of filter in one direction from bottom to top using the closer dampened with alcohol.

   **Note**

   When cleaning the emission side of filter, if you push it strongly, the adhesive that fixes the filter may be peeled off.
3. After wiping it once, fold back the closer and wipe it using the clean side.
4. Wipe it using the new dry closer in the direction of the arrow.




5. Make the filter open state in the reverse order of step 1.
6. Assemble this unit in the reverse order of "Preparation".

## Lens

### Preparation

1. Remove the lens by referring to Section 1-9.

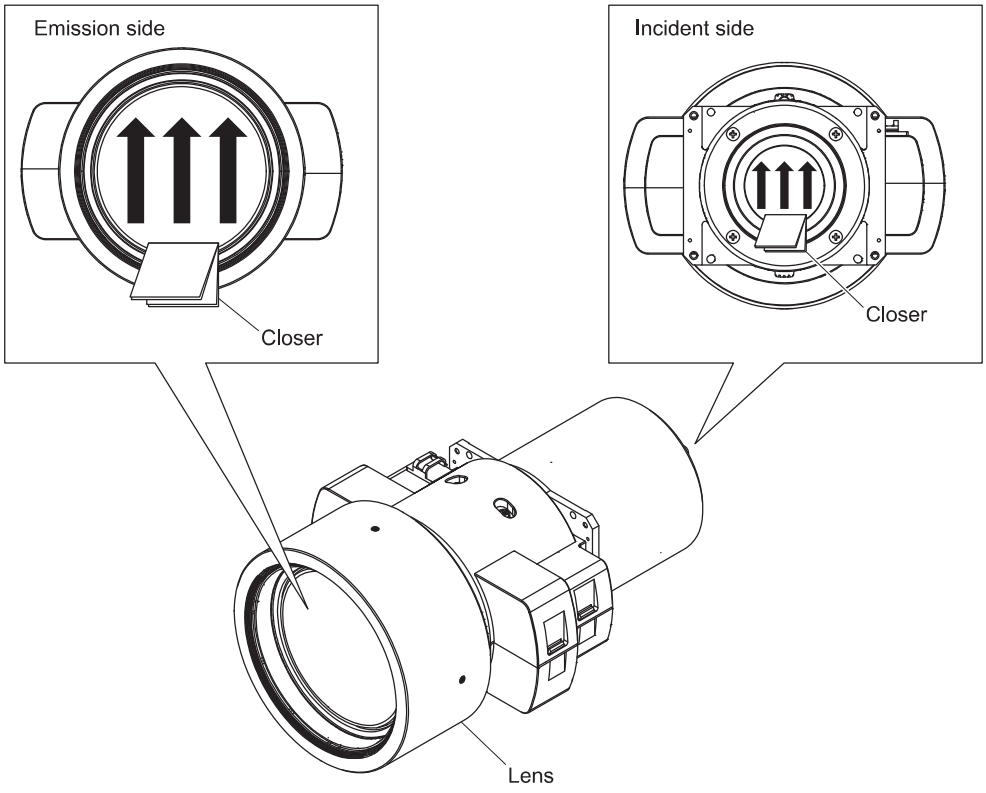
### Procedure

**Emission side**

1. Wipe the emission side of lens in one direction from bottom to top using the closer dampened with alcohol.
2. After wiping it once, fold back the closer and wipe it using the clean side.
3. Wipe it using the new dry closer in the direction of the arrow.

**Incident side**

4. Wipe the incident side of lens in one direction from bottom to top using the closer dampened with alcohol.
5. After wiping it once, fold back the closer and wipe it using the clean side.
6. Wipe it using the new dry closer in the direction of the arrow.

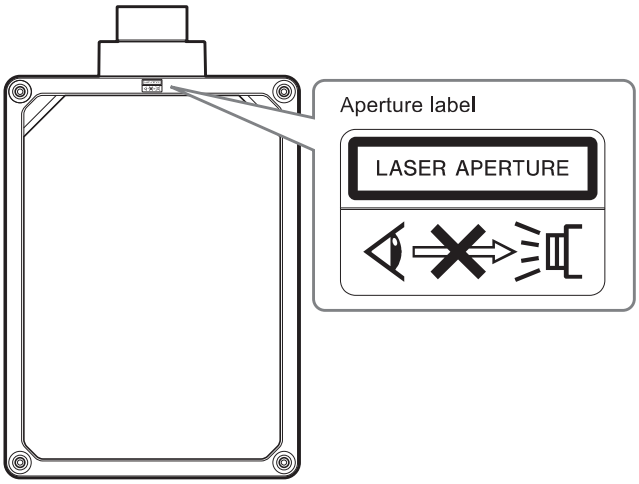



7. Assemble this unit in the reverse order of “Preparation”.

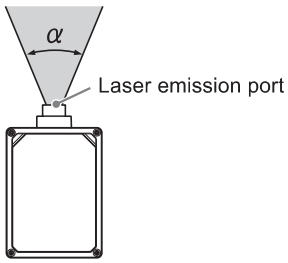
## 1-11. Label Position

### CE, E, J and UC models

#### Location of the label

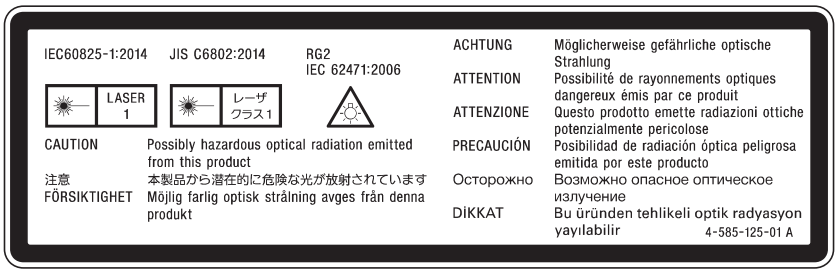



#### Beam divergence angle from the lens of this unit



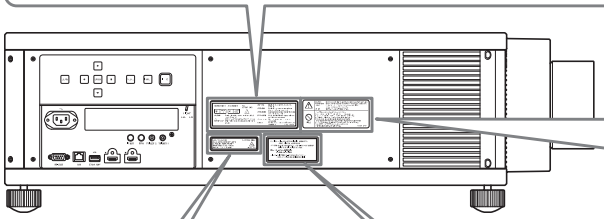

| Lens | Zoom maximum: α | Zoom minimum: α |
|---|---|---|
| VPLL-Z7008 | 64° | 53° |
| VPLL-Z7013 | 43° | 20° |

CLASS 1 RG2 LABEL

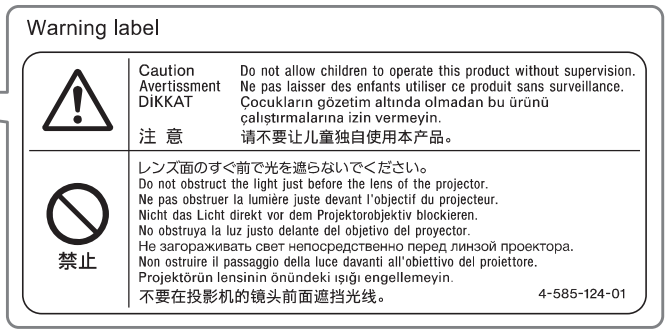



Explanatory label

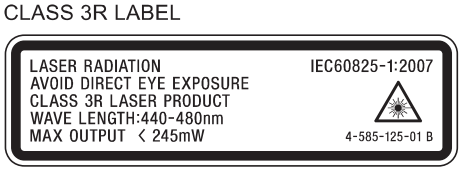


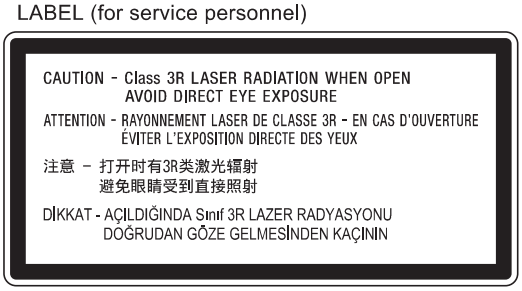
Warning label




CLASS 3R LABEL




LABEL (for service personnel)

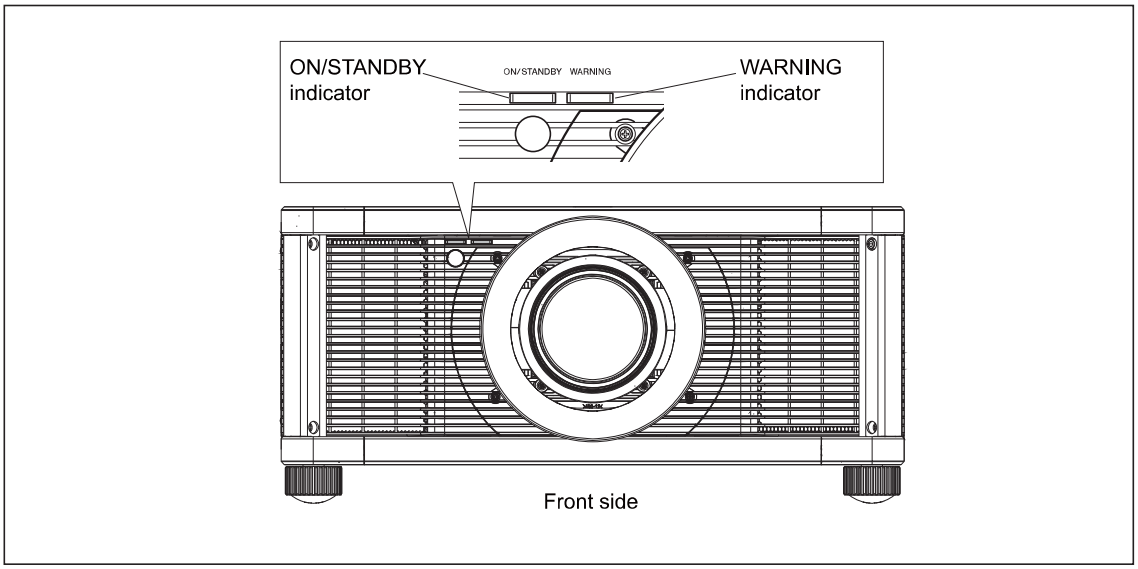



**Laser Diode Properties**

4.0 W, 80 Laser diodes (438 to 452 nm)
2.9 W, 20 Laser diodes (458 to 472 nm)

## 1-12. Indicator Display

In this unit, the error status is indicated by the blinking of indicator. There are two indicators, ON/STANDBY and WARNING, on the front of this unit. The error state can be determined depending on how many times each indicator blinks. For details of the blinking state of indicator and the error, refer to the list below.




| Status of indicator | Name of error | Number of blinking | Description |
|---|---|---|---|
| ON/STANDBY<br>Blink in red<br><br>WARNING<br>Off | Main power error | 2 | The main power output is abnormal. |
| | DC power & memory error | 3 | The DC power (3.3 V, 1.8 V, 1.0 V and 5.0 V) output on the QA board is abnormal, or the memory (NAND) access failure has occurred. |
| | System error | 4 | The communication between CPUs cannot be performed after the power is turned on, or each CPU cannot operate correctly. |
| ON/STANDBY<br>Light in red<br><br>WARNING<br>Blink in red | Cover error | 2 | The top cover is not attached correctly. |
| | Laser error | 3 | The laser does not light up normally. |
| | Firmware update error | 4 | The firmware version update has failed. |
| | Drop impact error | 6 | The drop impact is detected. |
| | Lens error | 8 | The lens is not attached correctly. |
| ON/STANDBY<br>Blink in red<br><br>WARNING<br>Blink in red | Temperature error | 2 | The temperature inside of the unit exceeds the tolerable range. |
| | Fan error | 3 | Any of fan does not operate normally. |
| | Wheel error | 4 | The wheel rotation exceeds the allowable range. |
| | Brightness error | 5 | The brightness exceeds the allowable range. |

## 1-13. Power Cord

To get a power cord, please contact your local Sony Sales Office/Service Center.

**WARNING**

- Use the approved Power Cord (3-core mains lead)/Appliance Connector/Plug with earthing-contacts that conforms to the safety regulations of each country if applicable.
- Use the Power Cord (3-core mains lead)/Appliance Connector/Plug conforming to the proper ratings (Voltage, Ampere).
- Never use an injured power cord.

## 1-14. Lead-free Solder

All boards mounted in this unit use lead-free solder. Be sure to use lead-free solder when repairing the boards of this unit. A lead free mark (LF) indicating that the solder contains no lead is printed on each board.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

 : LEAD FREE MARK

**Note**

- The lead-free solder melts at a temperature about 40 °C higher than the ordinary solder, therefore, it is recommended to use the soldering iron having a temperature regulator.
- The ordinary soldering iron can be used but the iron tip has to be applied to the solder joint for a slightly longer time. The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful.

# Section 2
# Software Update

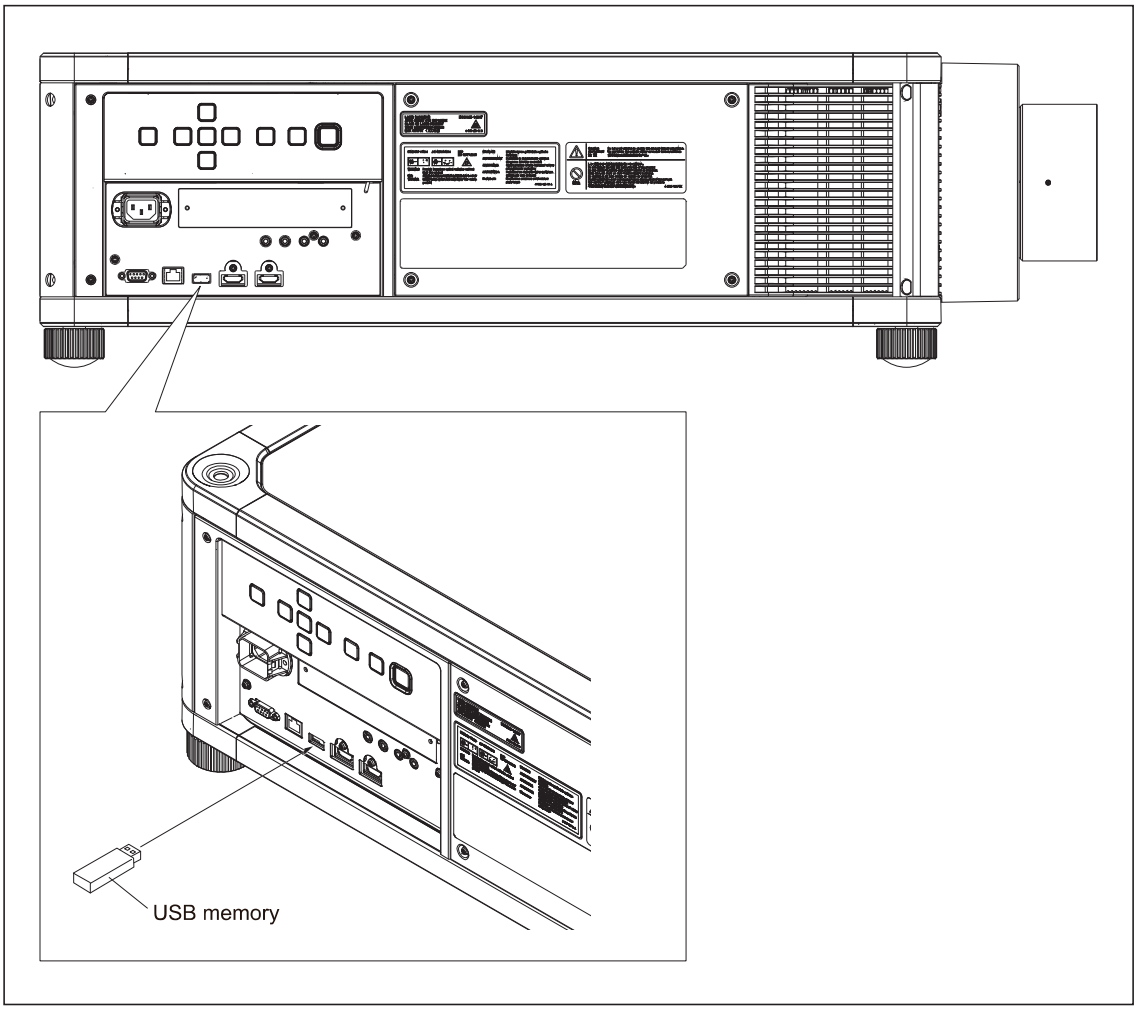
## 2-1. Preparation

### Required equipment/tools

• USB memory (FAT 32 format, 1 GB or more)

### Connection

#### USB connection

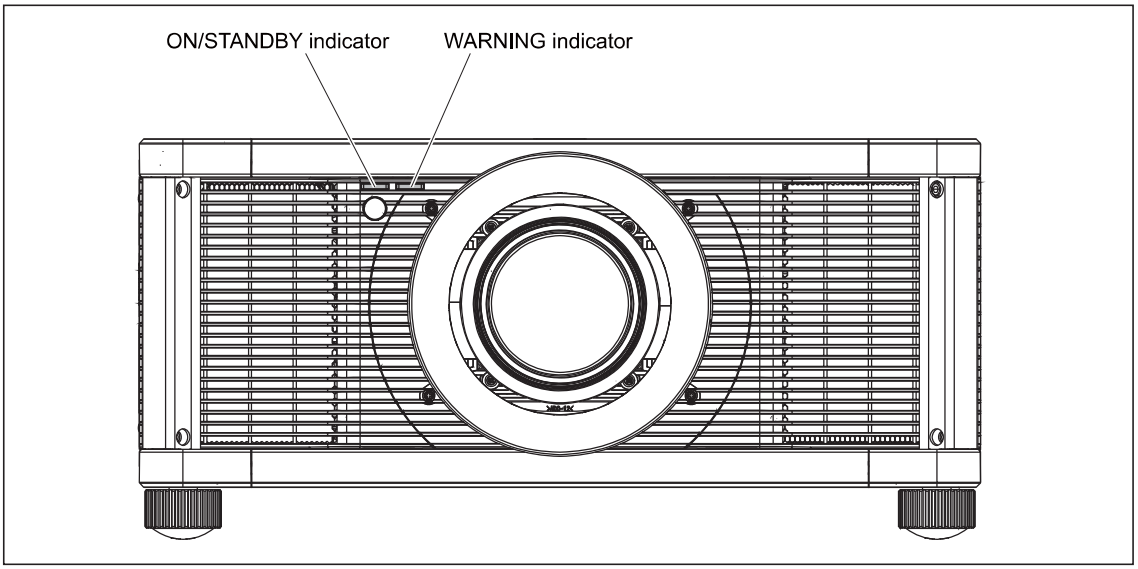


## 2-2. Firmware Update

1. Prepare the USB memory in which the update folder is stored. (Refer to “Download the update program to the USB memory” in Operating Instructions.)
2. Insert the USB memory prepared in step 1 into this unit. (Refer to “Connection” in Section 2-1.)
3. Turn on the power of this unit.

   **Tip**

   The Flash ROM may be updated on the first startup, and it may take approximately 15 minutes to output the image.
4. The ON/STANDBY indicator blinks in green, and then the blinking color changes to amber. (During update: approx. 5 minutes max)
5. After the update is completed, the LED indicator goes off and this unit enters standby state.



## 2-3. Error Log Acquisition Method

When an error occurred in this unit or when you want to check the state of this unit, you can check it by getting the error log.

### 2-3-1. Required Equipment

- USB memory (FAT 32 format, 1 GB or more)

### 2-3-2. Preparing USB Memory for Log Acquisition

1. Prepare the USB memory.
2. Create a file named “IneedLog” directly under the drive of the USB memory.
   - There should be no other files in the folder except “IneedLog”.
   - The file does not need an extension.

### 2-3-3. Log Acquisition

1. Prepare the USB memory created in Section 2-3-2.
2. Insert the USB memory into this unit.
3. Connect the power cord.
4. Wait for 1 minute.
5. Disconnect the power cord.
6. Pull out the USB memory from this unit.
7. Check that the “log.yml” file is created in the USB memory.

2024/05/29 10:11:14 (GMT+09:00)

SYS SET

# Section 3
# Spare Parts

## 3-1. Notes on Repair Parts

### 1. Safety Related Components Warning

**WARNING**

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

### 2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.

### 3. Stock of Parts

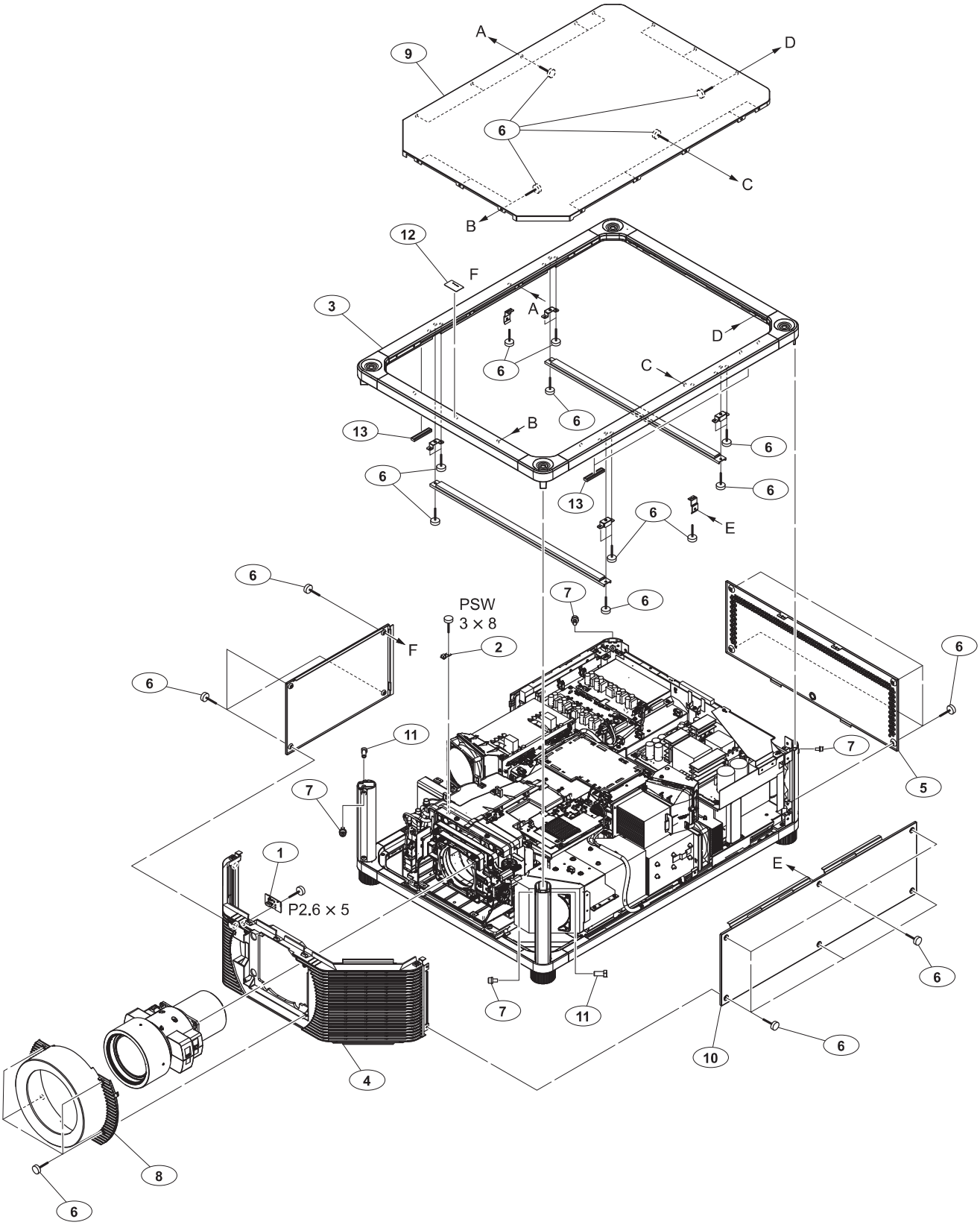
Parts marked with “o” at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

### 4. Harness

Harnesses with no part number are not registered as spare parts.

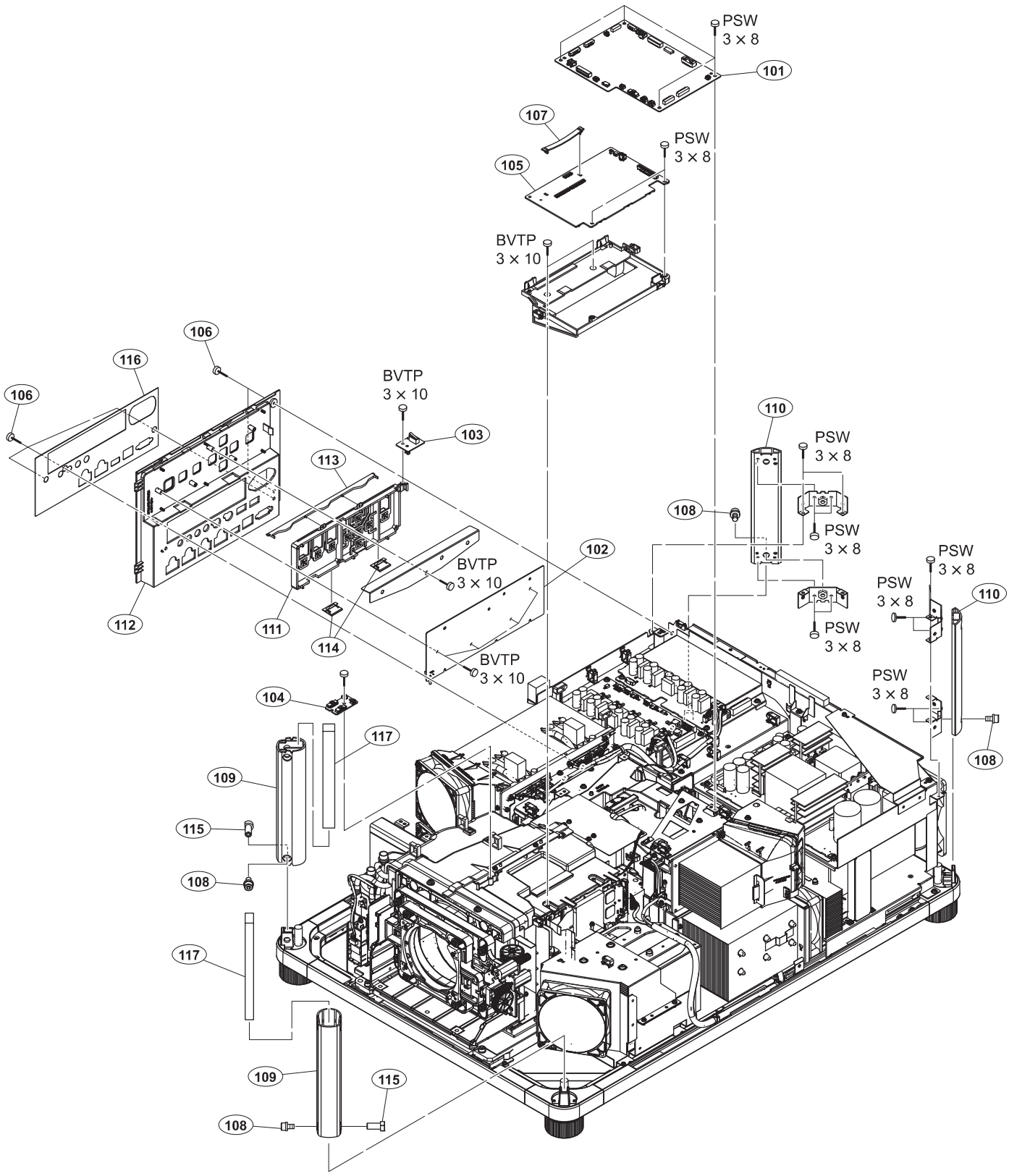
The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

## 3-2. Exploded Views



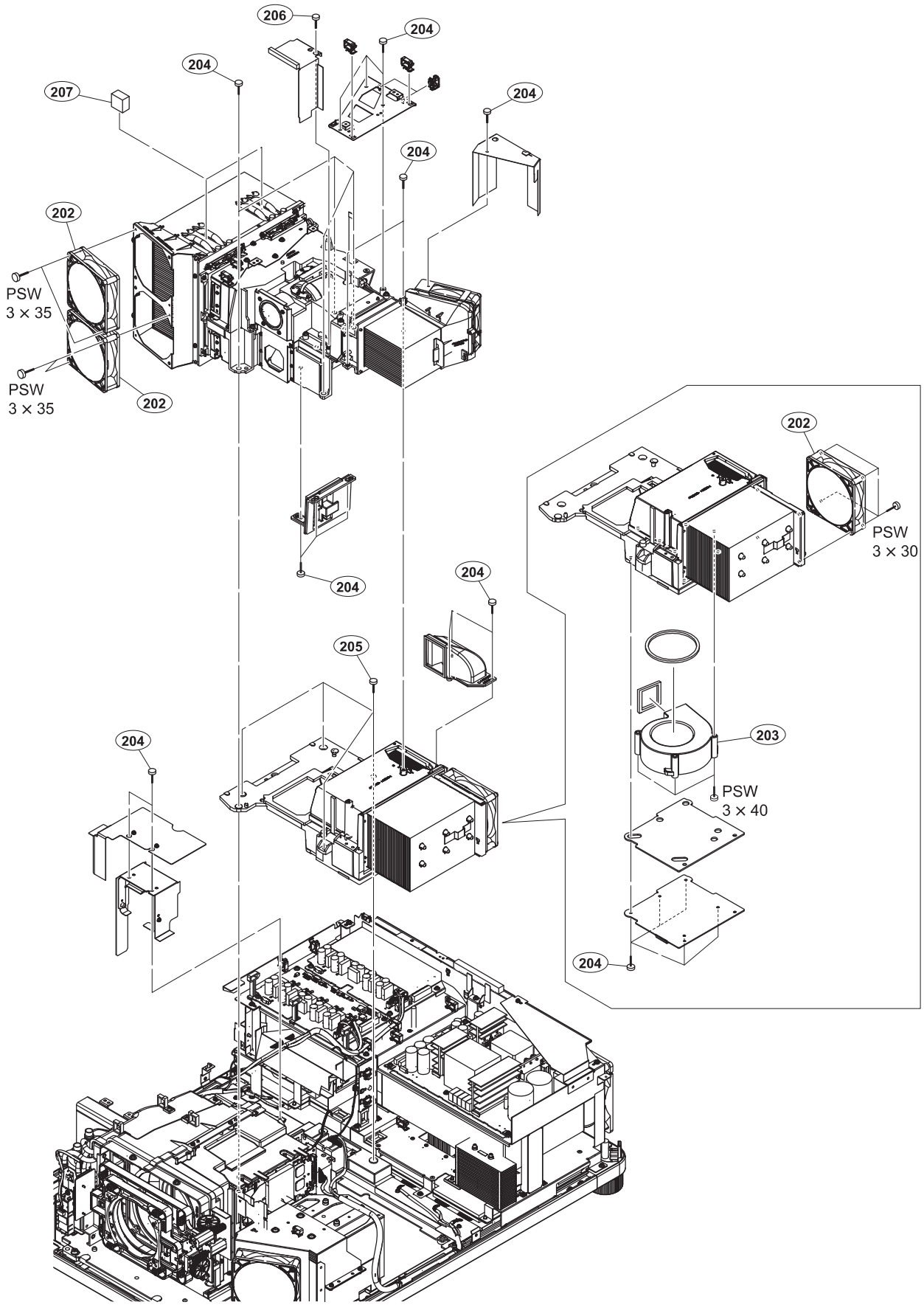
| No. | Part No. | SP | Description |
|---|---|---|---|
| 1 | A-2080-538-A | s | MOUNTED CIRCUIT BOARD, NF |
| 2 | A-2080-540-A | s | MOUNTED CIRCUIT BOARD, TA |
| 3 | A-2082-715-A | s | TOP FRAME ASSY |
| 4 | X-2592-081-2 | s | PANEL ASSY, FRONT |
| 5 | X-2592-084-1 | s | PANEL ASSY, REAR |
| 6 | 2-580-592-01 | s | SCREW, +PSW M3X8 |
| 7 | 3-608-701-02 | s | HEXAGON SOCKET HEAD SCREW 5X12 |
| 8 | 4-577-299-01 | s | COVER, LENS |
| 9 | 4-577-301-01 | s | PANEL, TOP |
| 10 | 4-577-302-03 | s | PANEL(R), SIDE |
| 11 | 4-579-406-01 | s | PIN, FRAME |
| 12 | ⚠ 4-585-126-01 | s | LABEL (LENS APERTURE)<br>(For CE/E/J/UC) |
| | ⚠ 4-591-679-01 | s | LABEL (LENS APERTURE CN)<br>(For CN) |
| 13 | 4-588-132-01 | s | GASKET (F) |
| | 7-682-948-01 | s | SCREW +PSW 3X8 |
| | 7-685-132-11 | s | SCREW +P 2.6X5 TYPE2 NON-SLIT |

# Connector Panel



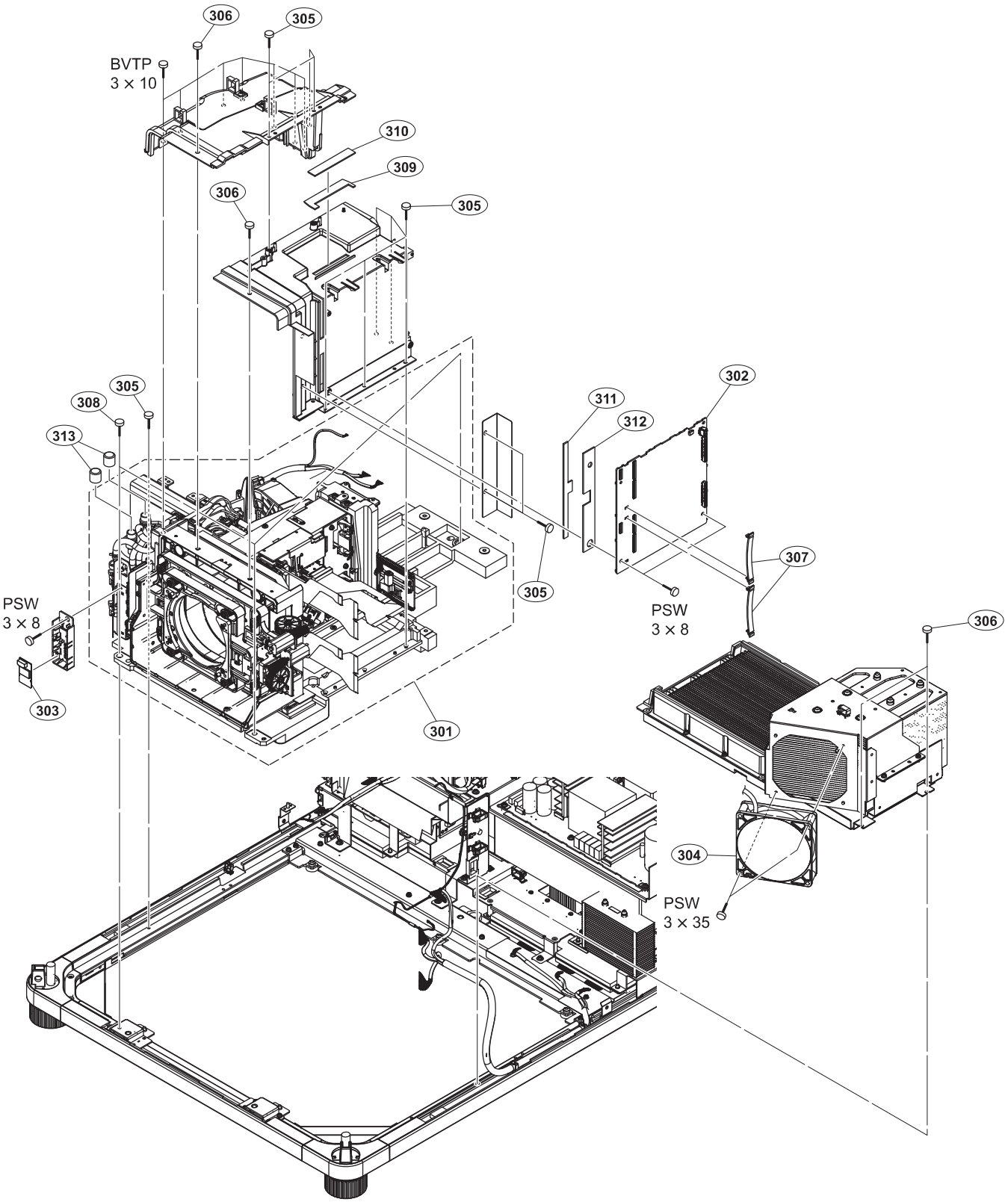
| No. | Part No. | SP | Description |
|---|---|---|---|
| 101 | A-2080-535-A | s | MOUNTED CIRCUIT BOARD, M |
| 102 | A-2080-536-A | s | MOUNTED CIRCUIT BOARD, HA |
| 103 | A-2080-543-A | s | MOUNTED CIRCUIT BOARD, V |
| 104 | A-2082-044-A | s | MOUNTED CIRCUIT BOARD, SM |
| 105 | A-2121-383-A | s | MOUNTED CIRCUIT BOARD, CA |
| 106 | 2-580-592-01 | s | SCREW, +PSW M3X8 |
| 107 | 3-064-084-01 | s | CLAMP (FCR-60), FLAT |
| 108 | 3-608-701-02 | s | HEXAGON SOCKET HEAD SCREW 5X12 |
| 109 | 4-577-112-01 | s | FRAME H |
| 110 | 4-577-113-01 | s | FRAME HR |
| 111 | 4-577-283-01 | s | BOTTON |
| 112 | 4-577-284-02 | s | PANEL, CONNECTOR |
| 113 | 4-577-285-01 | s | GUIDE(CP), LED |
| 114 | 4-577-287-01 | s | GUIDE(CN), LED |
| 115 | 4-579-406-01 | s | PIN, FRAME |
| 116 | 4-586-229-03 | s | SHEET(HM), CONNECTOR |
| 117 | 4-589-878-01 | s | GASKET (FH) |
|  | 7-682-948-01 | s | SCREW +PSW 3X8 |
|  | 7-685-647-79 | s | SCREW +BVTP 3X10 TYPE2 IT-3 |

# LED Unit


206
204
204
207
204
204
202
PSW
3 × 35
PSW
3 × 35
202
204
204
205
204
202
PSW
3 × 30
203
PSW
3 × 40
204

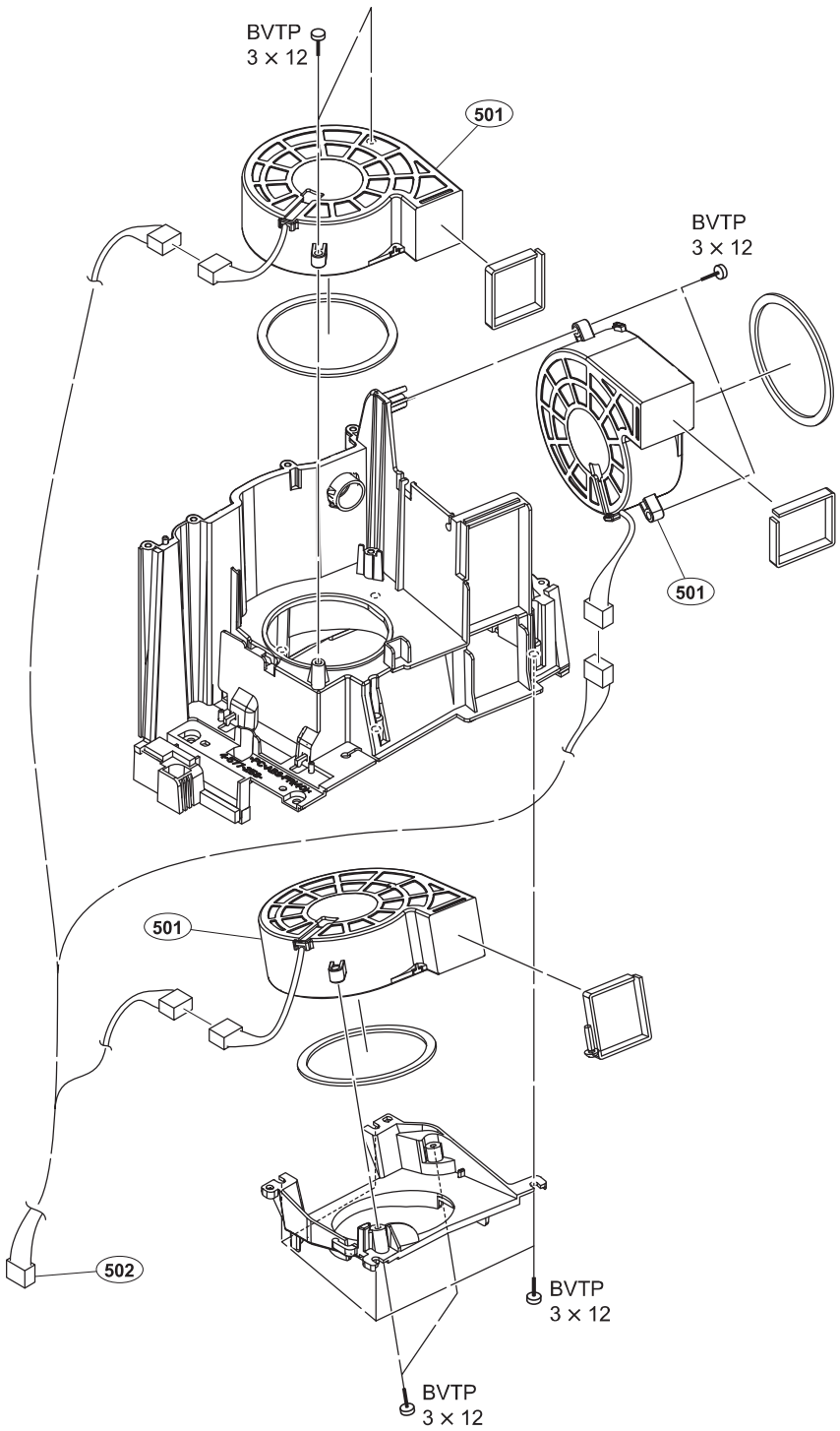
| No. | Part No. | SP | Description |
|---|---|---|---|
| 202 | ⚠ 1-855-395-12 | s | DC FAN (92 SQUARE) |
| 203 | ⚠ 1-855-396-12 | s | DC FAN (100 SQUARE, SIROCCO) |
| 204 | 2-580-592-01 | s | SCREW, +PSW M3X8 |
| 205 | 2-580-602-01 | s | SCREW, +PSW M4X12 |
| 206 | 2-580-606-01 | s | SCREW, +PSW M5X8 |
| 207 | 4-544-197-01 | s | GASKET (25X15 (25))-D, SOFT |
| | 7-682-955-01 | s | SCREW +PSW 3X30 |
| | 7-682-956-01 | s | SCREW +PSW 3X35 |
| | 7-682-957-01 | s | SCREW +PSW 3X40 |

# Optical Block-1



| No. | Part No. | SP | Description |
|---|---|---|---|
| 301 | A-2121-739-C | s | OPT BLOCK OVER ALL ASSY(RP) |
| 302 | A-2121-384-A | s | MOUNTED CIRCUIT BOARD, CB |
| 303 | 1-492-760-12 | s | BT MODULE |
| 304 | ⚠ 1-855-395-12 | s | DC FAN (92 SQUARE) |
| 305 | 2-580-592-01 | s | SCREW, +PSW M3X8 |
| 306 | 2-580-602-01 | s | SCREW, +PSW M4X12 |
| 307 | 3-064-084-01 | s | CLAMP (FCR-60), FLAT |
| 308 | 4-432-055-11 | s | BOLT (M5), W BOLT HEXAGON HOLE |
| 309 | 4-588-499-01 | s | CUSHION,ILM (G1) |
| 310 | 4-588-500-01 | s | CUSHION,ILM (G2) |
| 311 | 4-588-501-01 | s | CUSHION,ILM (RB1) |
| 312 | 4-588-502-01 | s | CUSHION,ILM (RB2) |
| 313 | 4-597-629-01 | s | CAP, VALVE |
| | 7-628-000-05 | s | +PSW 2X6 |
| | 7-682-948-01 | s | SCREW +PSW 3X8 |
| | 7-682-956-01 | s | SCREW +PSW 3X35 |
| | 7-685-647-79 | s | SCREW +BVTP 3X10 TYPE2 IT-3 |
| | 7-685-648-71 | s | SCREW +BVTP 3X12 TYPE2 IT-3 |

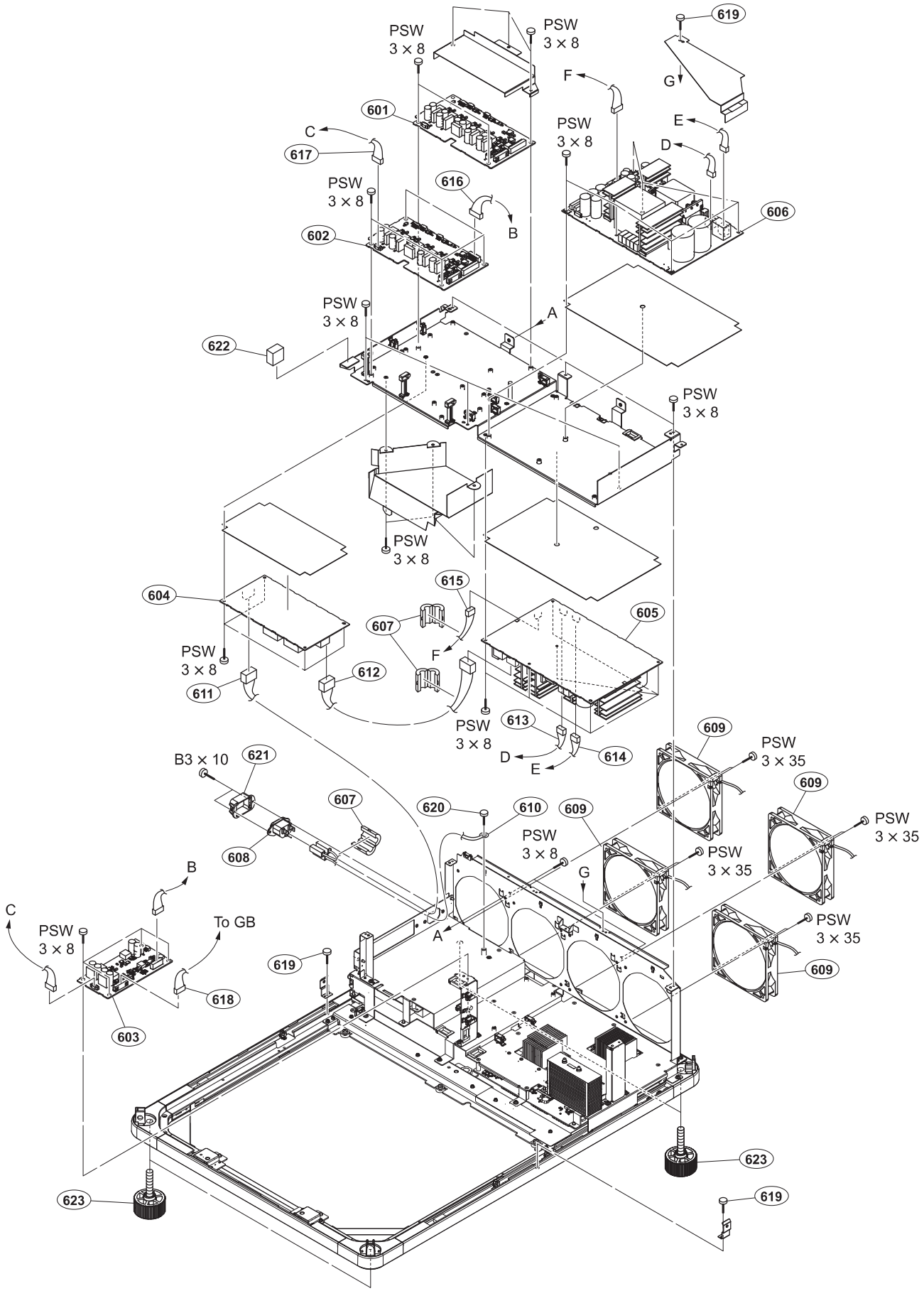
## Optical Block-2




No. Part No. SP Description

501 ⚠ 1-855-394-11 s DC FAN (80 SQUARE, SIROCCO)
502 1-970-981-11 s CONNECTOR ASSY, FAN 12P

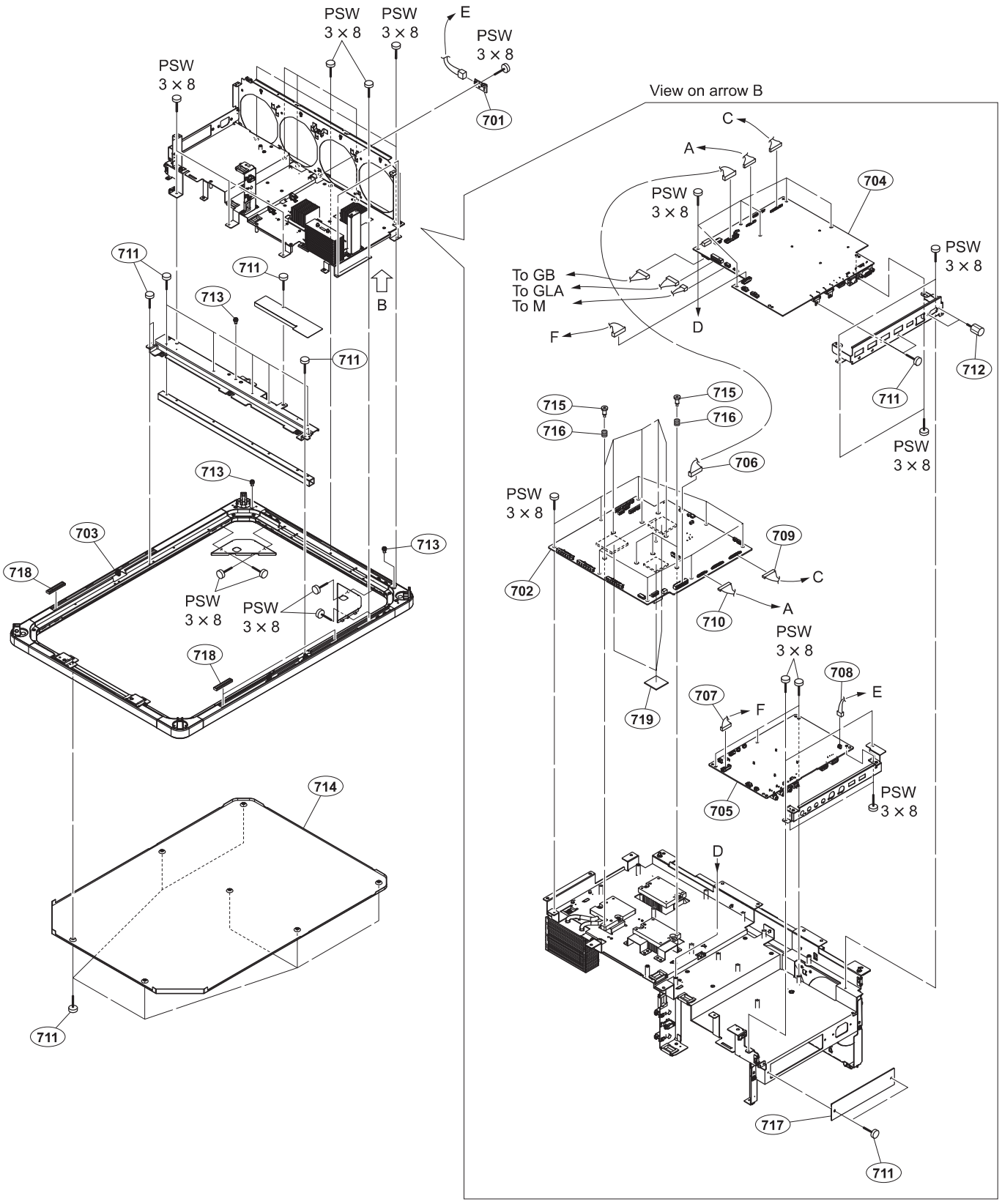
7-685-648-71 s SCREW +BVTP 3X12 TYPE2 IT-3


PSW 3 × 8
PSW 3 × 8
619
F
G
601
C
617
PSW 3 × 8
E
D
PSW 3 × 8
616
606
B
602
PSW 3 × 8
A
622
PSW 3 × 8
PSW 3 × 8
604
615
607
605
F
PSW 3 × 8
612
611
613
PSW 3 × 8
D
E
614
609
PSW 3 × 35
B3 × 10
621
609
607
620
610
609
PSW 3 × 8
PSW 3 × 35
PSW 3 × 35
608
B
G
C
PSW 3 × 8
To GB
A
PSW 3 × 35
619
609
618
603
623
623
619

## Power Unit

| No. | Part No. | SP | Description |
|---|---|---|---|
| 601 | A-2107-269-A | s | MOUNTED CIRCUIT BOARD, GLA |
| 602 | A-2107-270-A | s | MOUNTED CIRCUIT BOARD, GLB |
| 603 | A-2107-271-A | s | MOUNTED CIRCUIT BOARD, GLC |
| 604 | 1-474-653-12 | s | POWER SUPPLY UNIT F (For E/J/UC) |
| | 1-474-656-12 | s | POWER SUPPLY UNIT F2 (For CE/CN) |
| 605 | 1-474-654-11 | s | POWER SUPPLY UNIT GA |
| 606 | 1-474-655-11 | s | POWER SUPPLY UNIT GB |
| 607 | 1-500-386-21 | s | FILTER, CLAMP (FERRITE CORE) |
| 608 | ⚠ 1-842-404-11 | s | AC INLET (SCREW) 3P FASTEN |
| 609 | ⚠ 1-855-433-11 | s | DC FAN (120 SQUARE) |
| 610 | ⚠ 1-971-002-11 | s | CONNECTOR ASSY, GROUND |
| 611 | ⚠ 1-971-003-11 | s | CONNECTOR ASSY, VH 3P |
| 612 | ⚠ 1-971-004-11 | s | CONNECTOR ASSY, F 3P |
| 613 | 1-971-005-11 | s | CONNECTOR ASSY, GAGB 4P |
| 614 | ⚠ 1-971-006-11 | s | CONNECTOR ASSY, GAGB 3P |
| 615 | 1-971-007-11 | s | CONNECTOR ASSY, GAGB 5P |
| 616 | 1-971-135-11 | s | CONNECTOR ASSY, DRIVER 9P |
| 617 | 1-971-137-12 | s | CONNECTOR ASSY DRIVER C 9P |
| 618 | 1-971-139-11 | s | CONNECTOR ASSY, LASER 12P |
| 619 | 2-580-592-01 | s | SCREW, +PSW M3X8 |
| 620 | 2-580-602-01 | s | SCREW, +PSW M4X12 |
| 621 | 2-990-241-02 | s | HOLDER (A), PLUG |
| 622 | 4-544-197-01 | s | GASKET (25X15 (25))-D, SOFT |
| 623 | 4-577-282-01 | s | FOOT |
| | 7-682-549-09 | s | SCREW +B 3X10 |
| | 7-682-948-01 | s | SCREW +PSW 3X8 |
| | 7-682-956-01 | s | SCREW +PSW 3X35 |

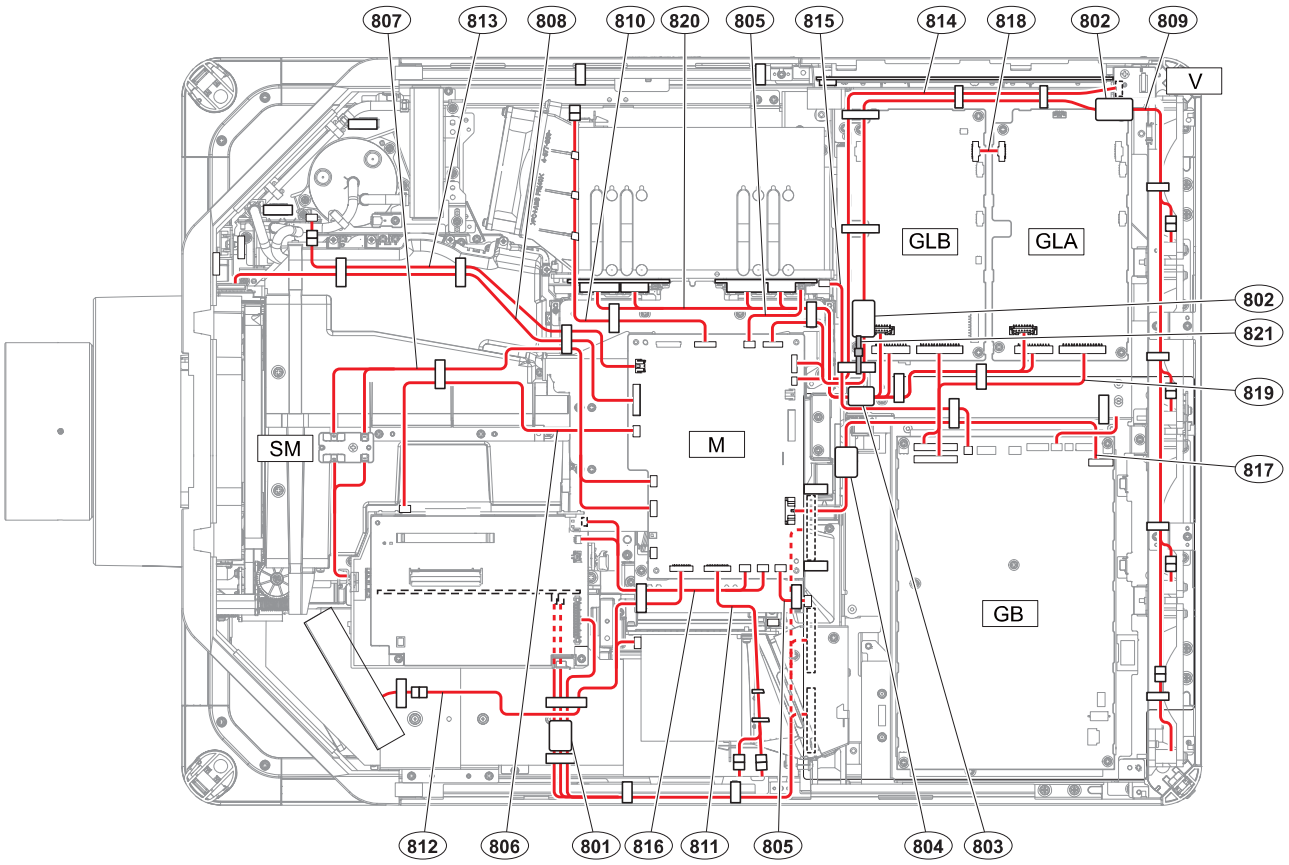
# Bottom and Board



## Bottom and Board

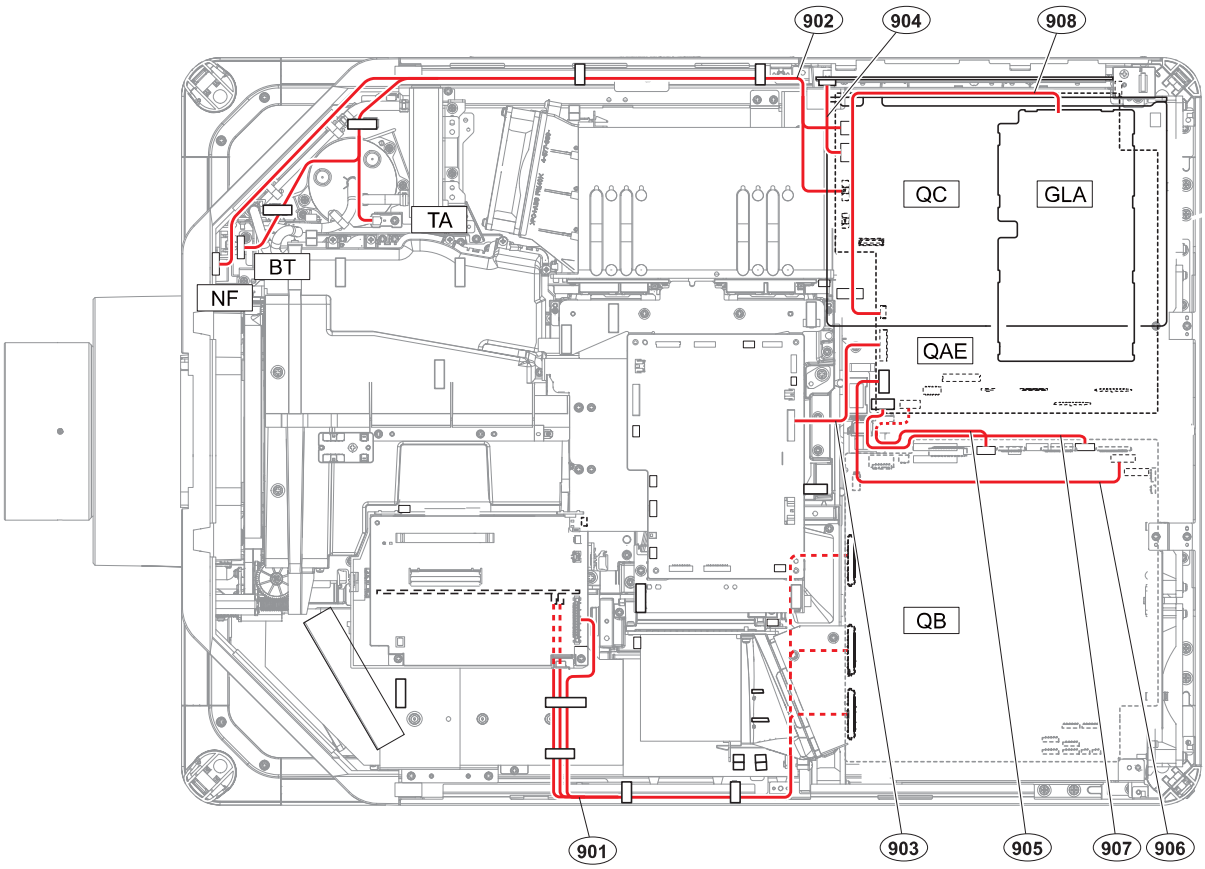
| No. | Part No. | SP | Description |
|---|---|---|---|
| 701 | A-2080-539-A | s | MOUNTED CIRCUIT BOARD, NR |
| 702 | A-2082-593-A | s | MOUNTED CIRCUIT BOARD, QB |
| 703 | A-2082-714-A | s | BOTTOM FRAME ASSY |
| 704 | A-2082-592-A | s | MOUNTED CIRCUIT BOARD, QAE |
| 705 | A-2122-783-A | s | MOUNTED CIRCUIT BOARD, QC |
| 706 | 1-970-963-11 | s | CONNECTOR ASSY, QAQB 50P |
| 707 | 1-970-965-11 | s | CONNECTOR ASSY, QAQC 30P |
| 708 | 1-970-970-12 | s | CONNECTOR ASSY, NR 3P |
| 709 | 1-971-022-11 | s | COAXIAL CABLE ASSEMBLY (40P) |
| 710 | 1-971-023-11 | s | COAXIAL CABLE ASSEMBLY (30P) |
| 711 | 2-580-592-01 | s | SCREW, +PSW M3X8 |
| 712 | 2-580-626-01 | s | SCREW, SP 4-40 UNC |
| 713 | 4-433-510-01 | s | SCREW, POSITIONING M4X6 |
| 714 | 4-577-281-01 | s | COVER, BOTTOM |
| 715 | 4-577-291-01 | s | SHAFT, HS |
| 716 | 4-577-292-01 | s | SPRING, HS |
| 717 | 4-582-797-01 | s | OP COVER |
| 718 | 4-588-132-01 | s | GASKET (F) |
| 719 | 4-592-017-01 | s | HEAT DISSIPATION SHEET QB |
| | 7-682-948-01 | s | SCREW +PSW 3X8 |

# Harness-1



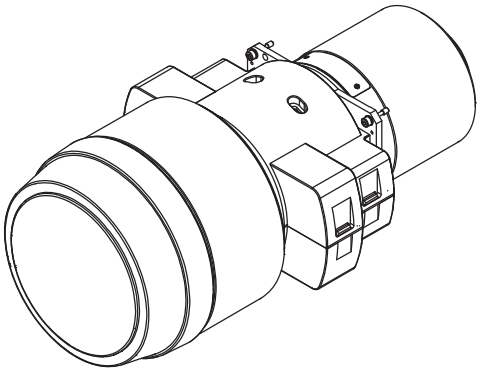

| No. | Part No. | SP | Description |
|---|---|---|---|
| 801 | 1-481-528-11 | s | FILTER, CLAMP (FERRITE CORE) |
| 802 | 1-482-017-11 | s | CLAMP, FERRITE |
| 803 | 1-500-021-11 | s | CLAMP, SLEEVE FERRITE |
| 804 | 1-500-386-21 | s | FILTER, CLAMP (FERRITE CORE) |
| 805 | 1-970-971-11 | s | CONNECTOR ASSY, LALB 3P |
| 806 | 1-970-973-11 | s | CONNECTOR ASSY, CL 5P |
| 807 | 1-970-975-11 | s | CONNECTOR ASSY, 18P |
| 808 | 1-970-976-11 | s | CONNECTOR ASSY, LM 40P |
| 809 | 1-970-979-11 | s | CONNECTOR ASSY, FAN 17P |
| 810 | 1-970-980-11 | s | CONNECTOR ASSY, FAN 10P |
| 811 | 1-970-982-11 | s | CONNECTOR ASSY, FAN 13P |
| 812 | 1-970-983-11 | s | CONNECTOR ASSY, FAN 11P |
| 813 | 1-970-984-11 | s | CONNECTOR ASSY, PUMP 3P |
| 814 | 1-970-985-11 | s | CONNECTOR ASSY, V 4P |
| 815 | 1-971-008-11 | s | CONNECTOR ASSY, FUSE |
| 816 | 1-971-012-12 | s | CONNECTOR ASSY, GBC 5P |
| 817 | 1-971-014-11 | s | CONNECTOR ASSY, POWER 8P |
| 818 | 1-971-136-11 | s | CONNECTOR ASSY DRIVER B 9P |
| 819 | 1-971-141-11 | s | CONNECTOR ASSY, DRIVER 30P |
| 820 | 1-971-142-11 | s | CONNECTOR ASSY, LASER 40P |
| 821 | 3-337-402-01 | o | BAND, BINDING |

# Harness-2

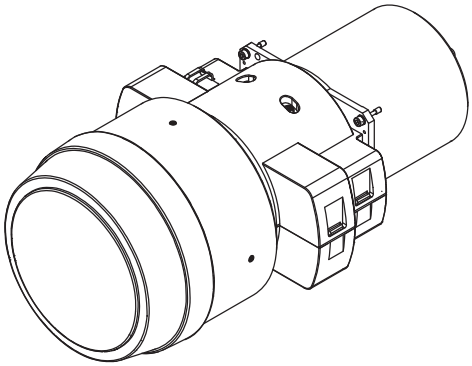



| No. | Part No. | SP | Description |
|---|---|---|---|
| 901 | 1-970-946-11 | s | COAXIAL CABLE ASSEMBLY (VBO) |
| 902 | 1-970-966-11 | s | CONNECTOR ASSY, 26P |
| 903 | 1-970-967-11 | s | CONNECTOR ASSY, 40P |
| 904 | 1-970-968-11 | s | CONNECTOR ASSY, QCHA 8P |
| 905 | 1-971-009-11 | s | CONNECTOR ASSY, GBQA 7P |
| 906 | 1-971-010-11 | s | CONNECTOR ASSY, GBQA 6P |
| 907 | 1-971-011-11 | s | CONNECTOR ASSY, GBQB 7P |
| 908 | 1-971-133-11 | s | CONNECTOR ASSY, DRIVER 5P |

**VPLL-Z7008**



**VPLL-Z7013**



## 3-3. Packing Materials & Supplied Accessories

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PACKING MATERIALS & SUPPLIED ACCESSORIES
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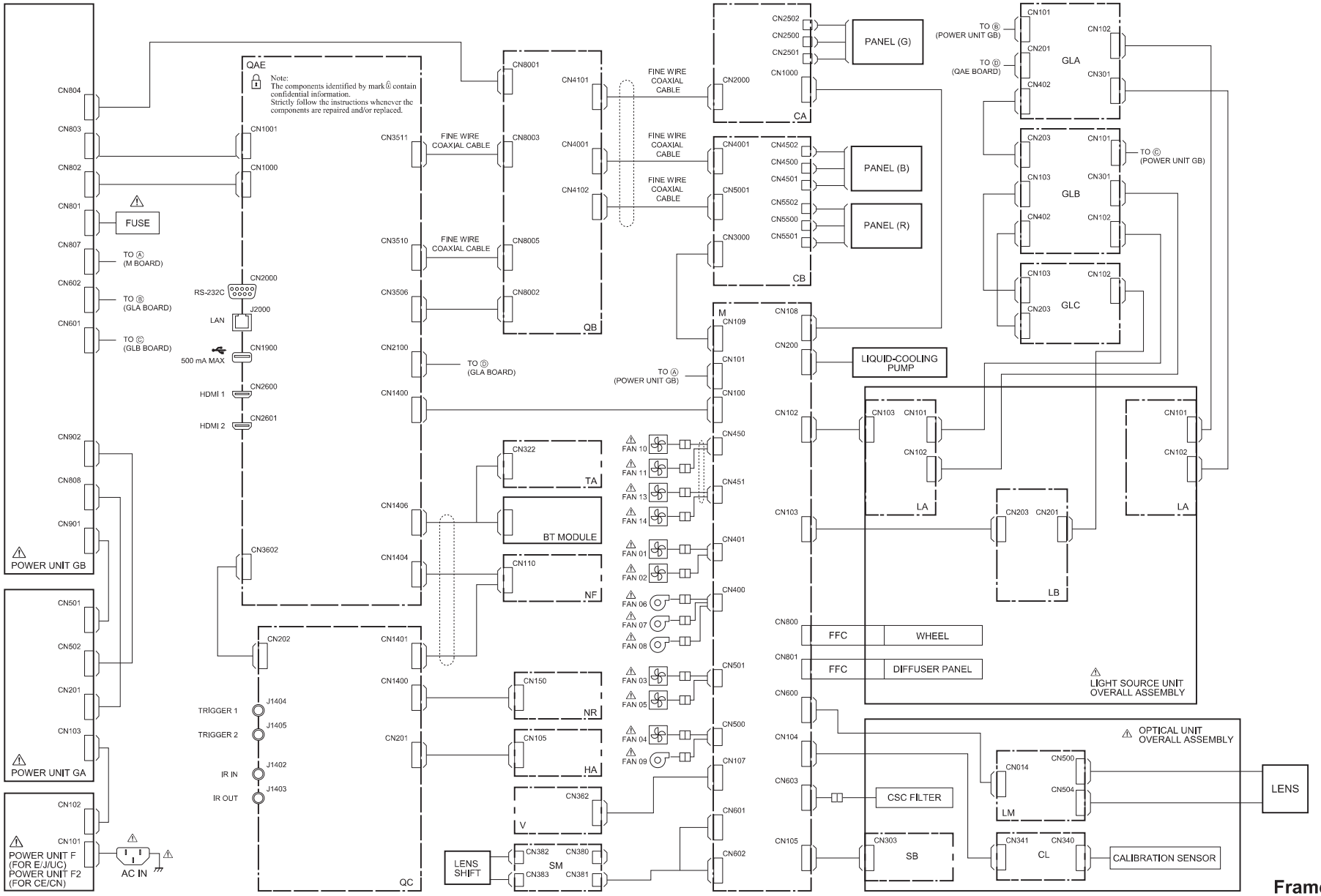
| Ref. No. or Q'ty | Part No. | SP | Description |
|---|---|---|---|
| 1pc | ⚠ 1-492-759-12 | s | REMOTE COMMANDER (RM-PJ24) |
| 1pc | ⚠ 1-849-310-11 | s | POWER-SUPPLY CORD SET |
| 1pc | 3-170-078-01 | s | HOLDER (B), PLUG |
| 1pc | ⚠ 4-584-921-03 | s | CD-ROM PACK (ENGLISH, FRENCH, SPANISH, GERMAN, ITALIAN, SIMPLIFIED CHINESE, RUSSIAN, ARABIC) |
| 1pc *4 | ⚠ 4-594-277-01 | s | LABEL (LS UAE), CAUTION |

# Section 4
# Frame Wiring



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SYS SET

# Revision History

| Date | History | Contents |
|---|---|---|
| 2024. 5 | 1st Edition<br>9-976-952-U1 | — |

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2024/05/29 10:11:14 (GMT+09:00)

SYS SET

VPL-VW5000 (CE)
VPL-VW5000 (CN)
VPL-VW5000 (E)
VPL-VW5000 (J)
VPL-VW5000 (UC) E
9-976-952-U1

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