

SHARP

BT421 Dismantle Instruction

LCD MONITOR



MODEL BT421

Dismantle Instruction

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1. Scope

This document describes dismantling instruction according to Annex VII of Directive 2012/19/EU.

2. Tools for dismantling

- Screw Driver
- Nipper

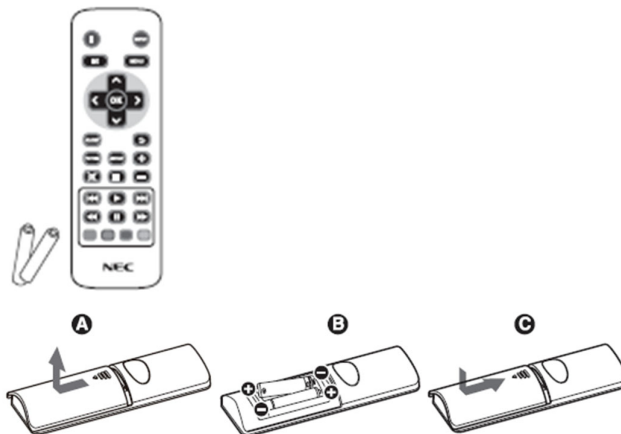
3. Dismantle Procedure

This product can be dismantled by below steps.

1. Remove Back covers
2. Remove Printed circuit boards

4. Batteries

This model uses only AAA battery for remote control.
Battery can easily be removed.



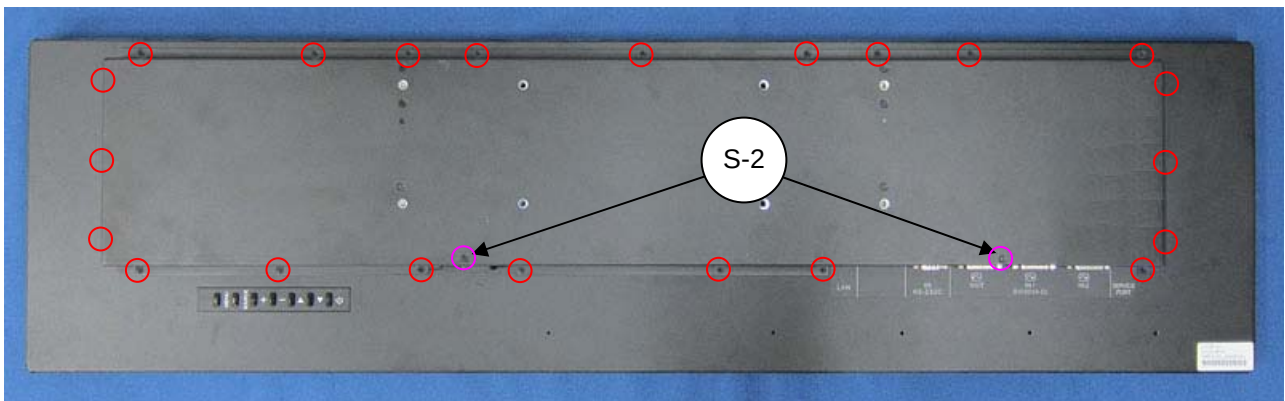
- A. Press and slide to open the cover.
- B. Align the batteries according to the (+) and (-) indications inside the case.
- C. Replace the cover.

5. Disassembly

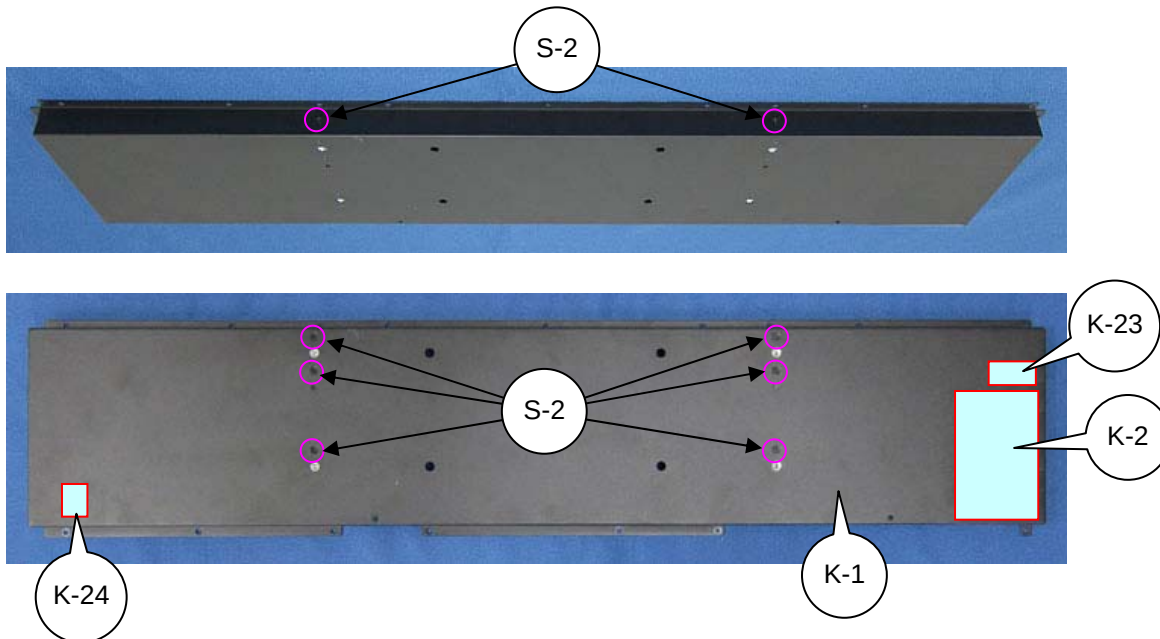
Caution for work 作業上の注意

- Before you disassemble the set, turn off power and pull out the power plug.
(分解を行う前に本体の電源を切り、電源プラグをコンセントから抜いて下さい。)
- Use the proper screwdriver. If oversize or undersize screwdriver is used, screws may be damaged.
(ドライバーはサイズの合ったものを使用して下さい。サイズが合わないものを使用すると、ネジ頭をつぶす原因となります。)
- Assembly is reversed process of disassembly.
(組立方法は分解方法の逆の手順となります。分解方法を参照のうえ、逆の手順で行って下さい。)

Remove the rear cover (1) リアカバーの取り外し (1)



SYMBOL S-1○ : 22 pcs.



SYMBOL K-2

The paste position is a range of the label stamp of the rear cover.

貼り付け位置はバックカバーのラベル刻印範囲内にズレや曲がりのないように、貼り付けること。

J ver.



B ver.



W ver.



SYMBOL K-23: Only for B/W ver. (B/W ver のみ適用)

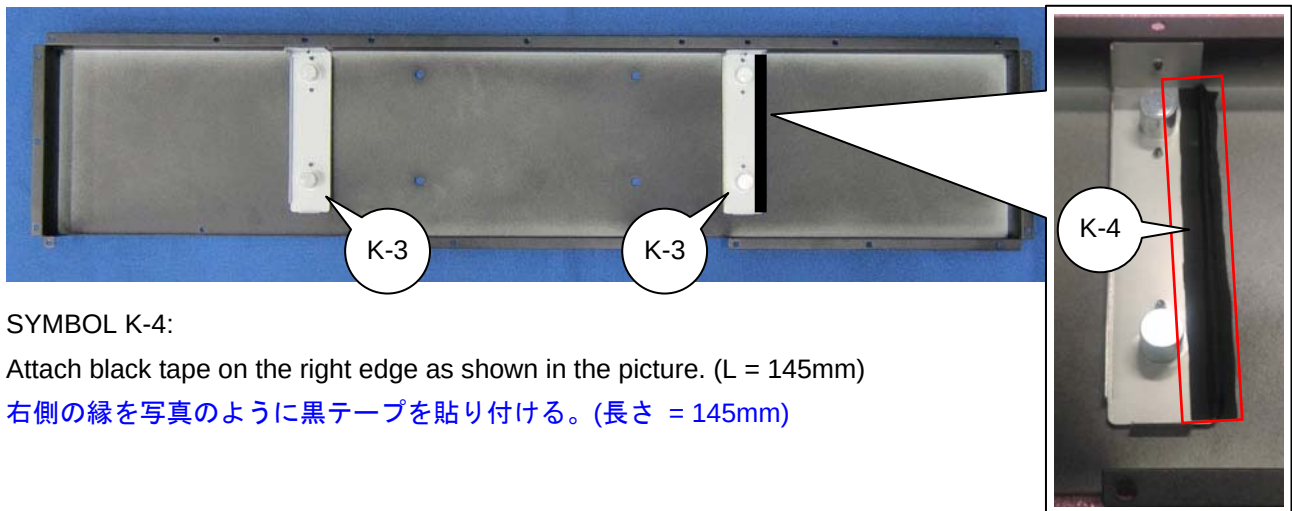


SYMBOL K-24: Only for B/W ver. (B/W ver のみ適用)



The label is attached at the position of the photo.

ラベルは写真の位置に貼り付ける。

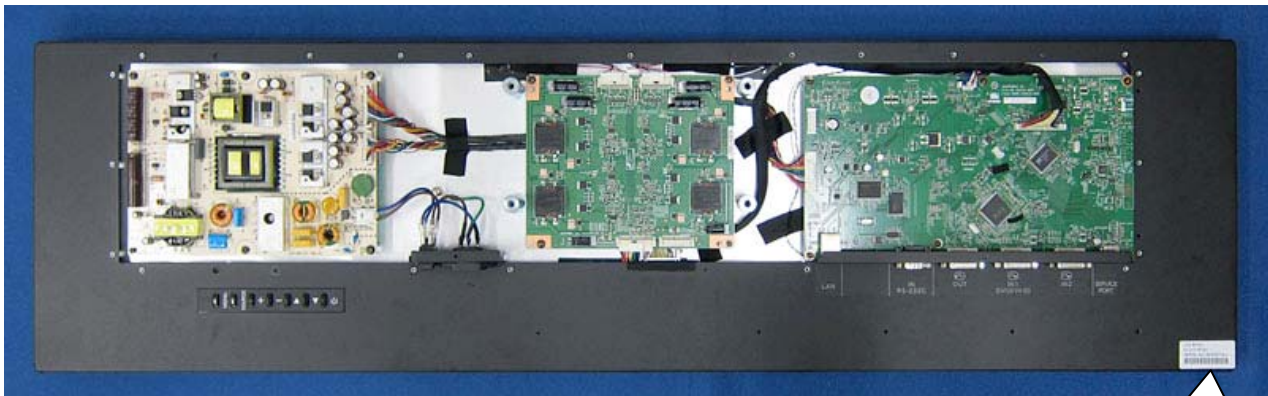


SYMBOL K-4:

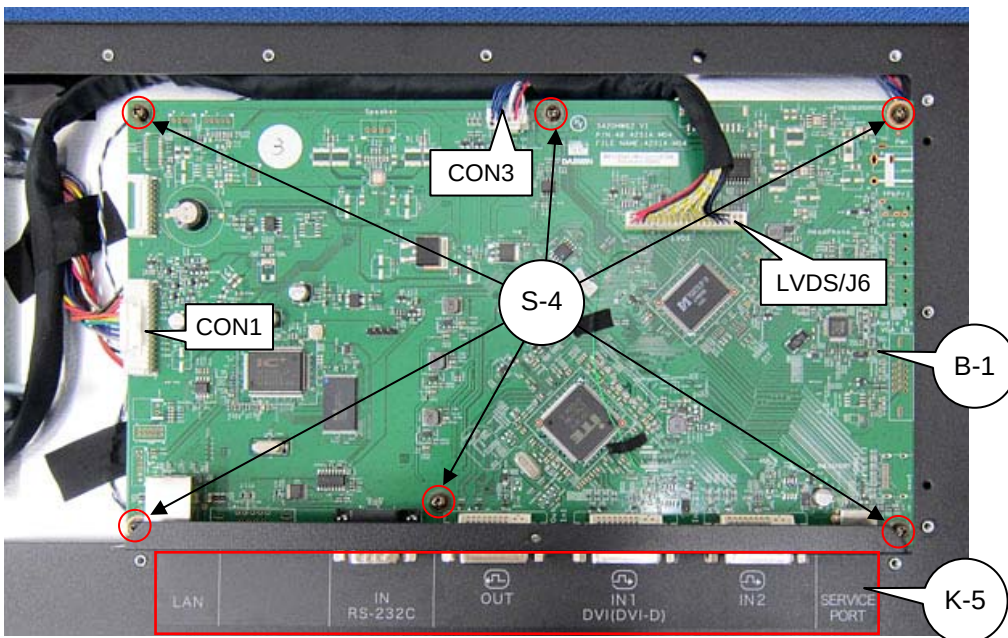
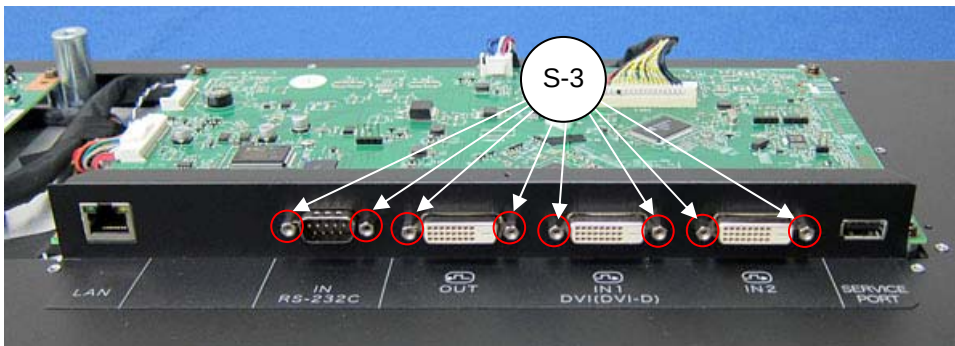
Attach black tape on the right edge as shown in the picture. (L = 145mm)

右側の縁を写真のように黒テープを貼り付ける。(長さ = 145mm)

Remove the PWB Assy 基板の取り外し



Serial No. Label

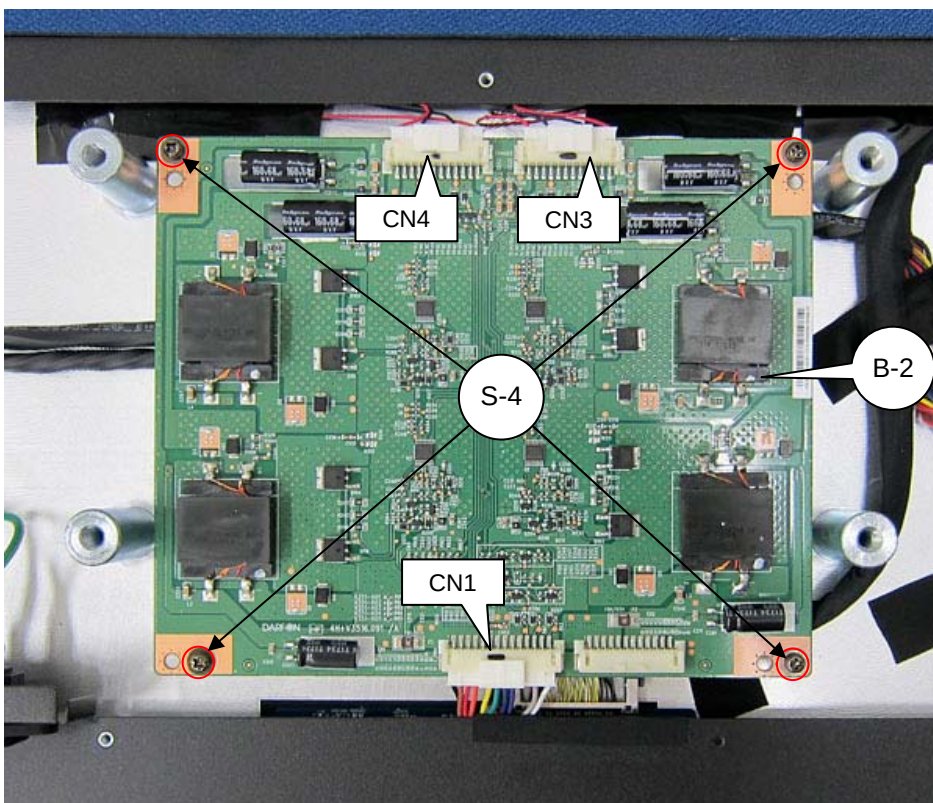
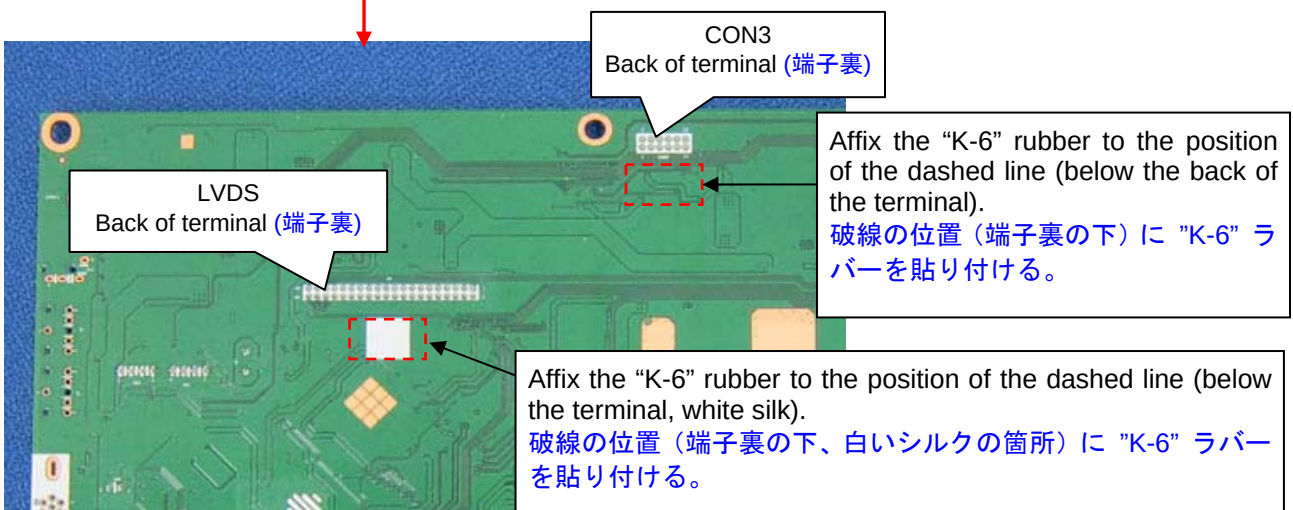
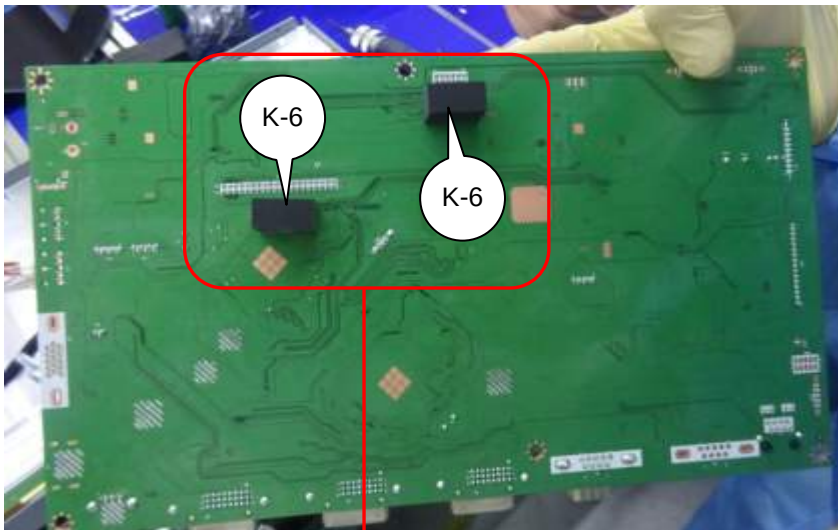


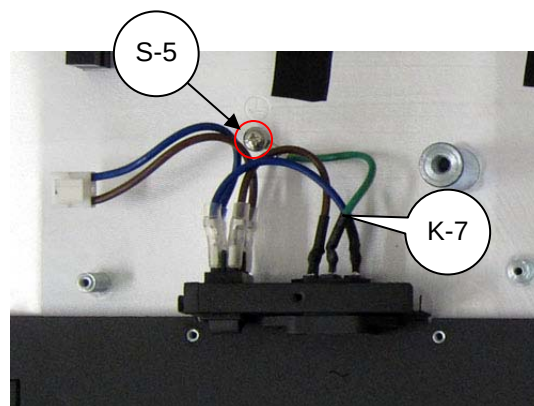
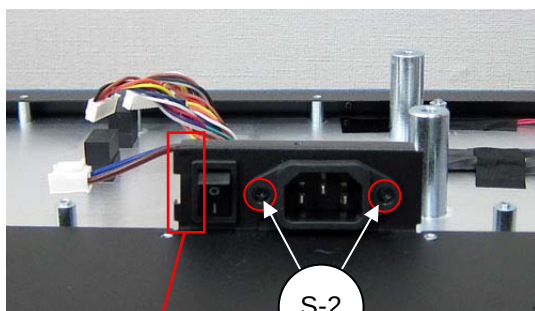
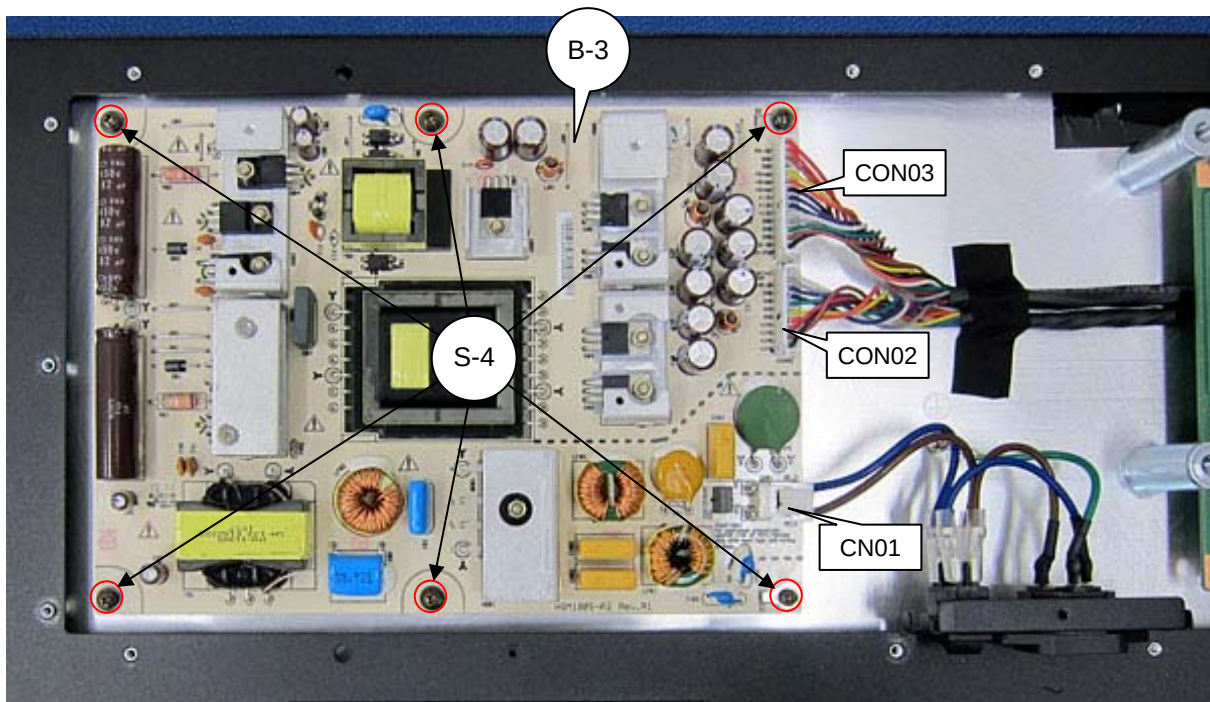
SYMBOL K-5:

The paste position is a range of the label stamp of the rear cover.

貼り付け位置はバックカバーの写真の位置にズレや曲がりのないように、貼り付けること。





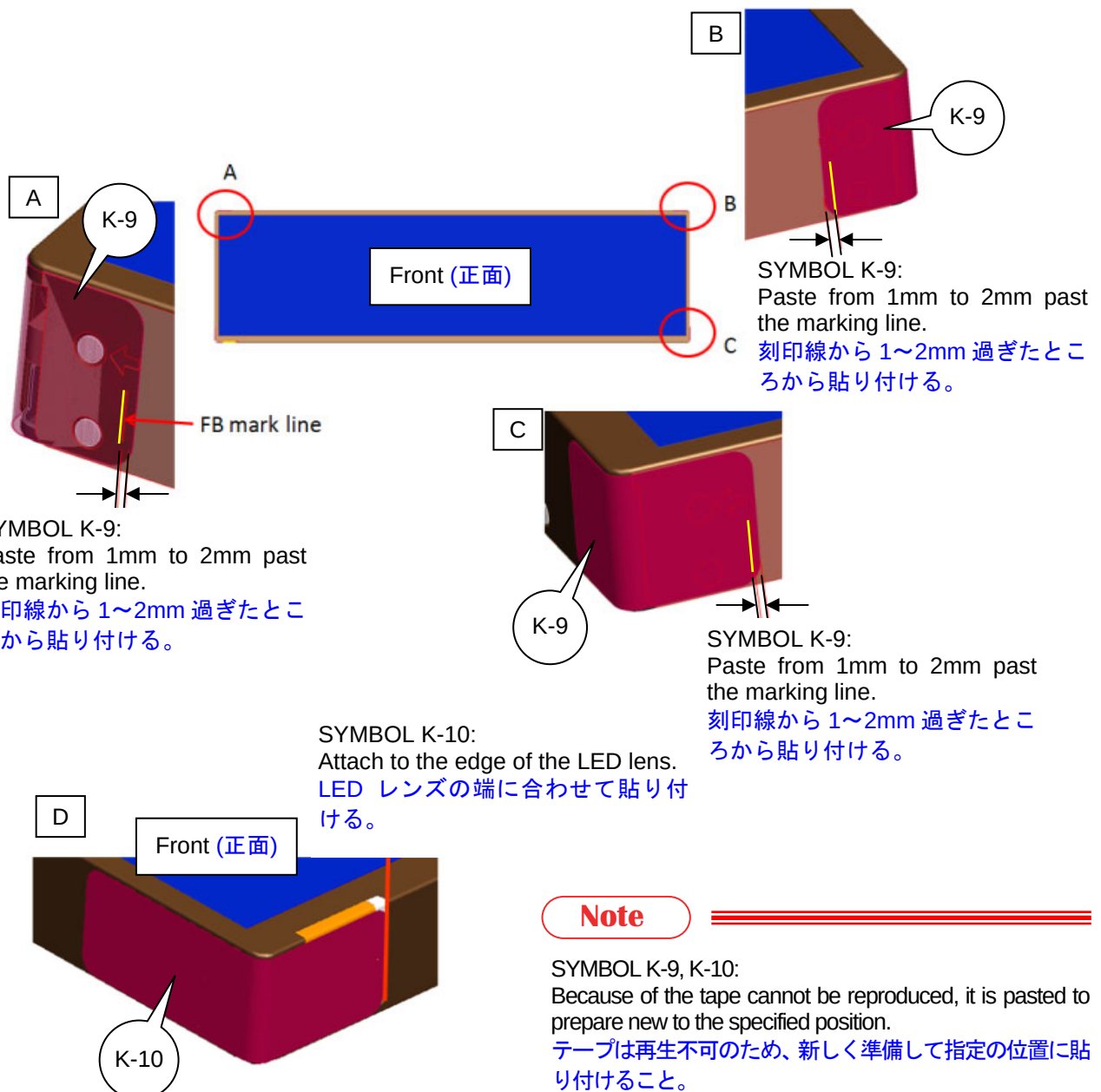
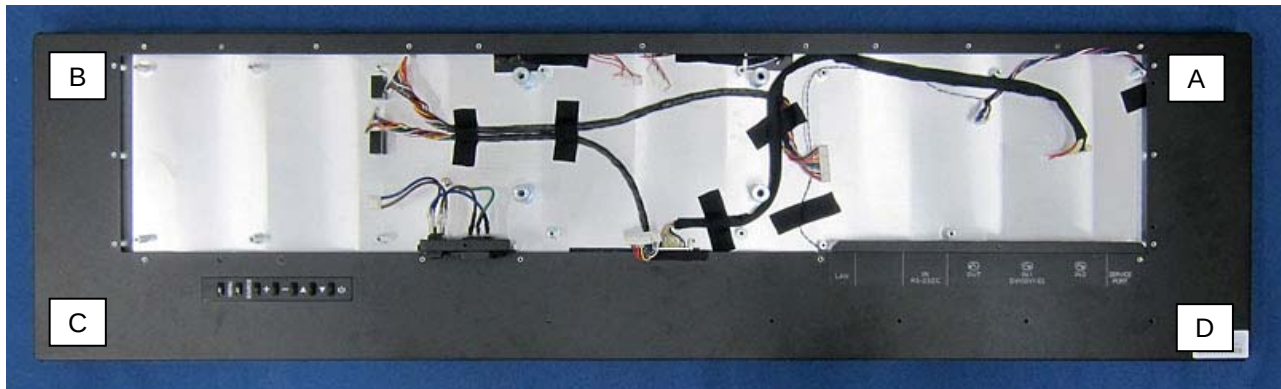


K-7: Including AC Inlet, AC Switch

K-7: 部品構成: AC インレット、AC スイッチ

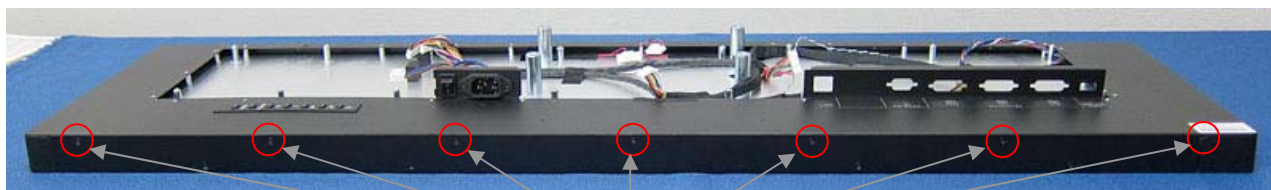
Remove the rear cover (2)

リアカバーの取り外し (2)



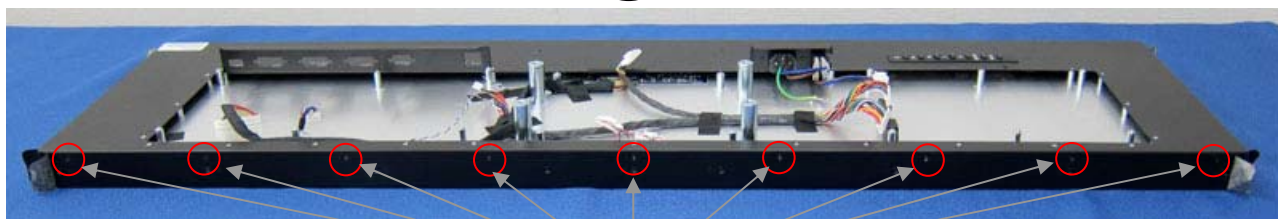
Note

SYMBOL K-9, K-10:
Because of the tape cannot be reproduced, it is pasted to prepare new to the specified position.
テープは再生不可のため、新しく準備して指定の位置に貼り付けること。



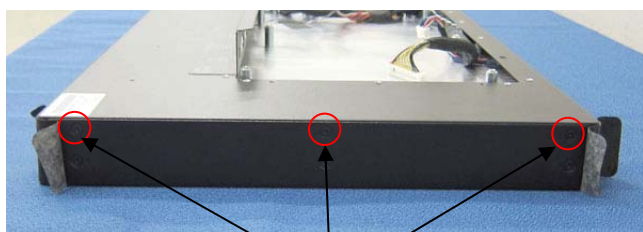
Bottom (下部)

S-2



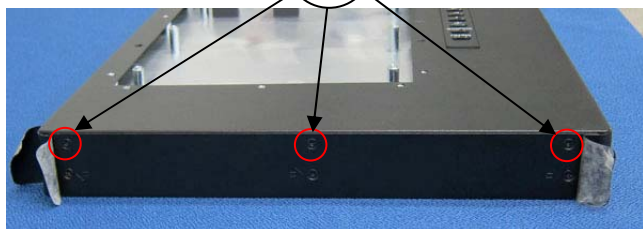
Top (上部)

S-2

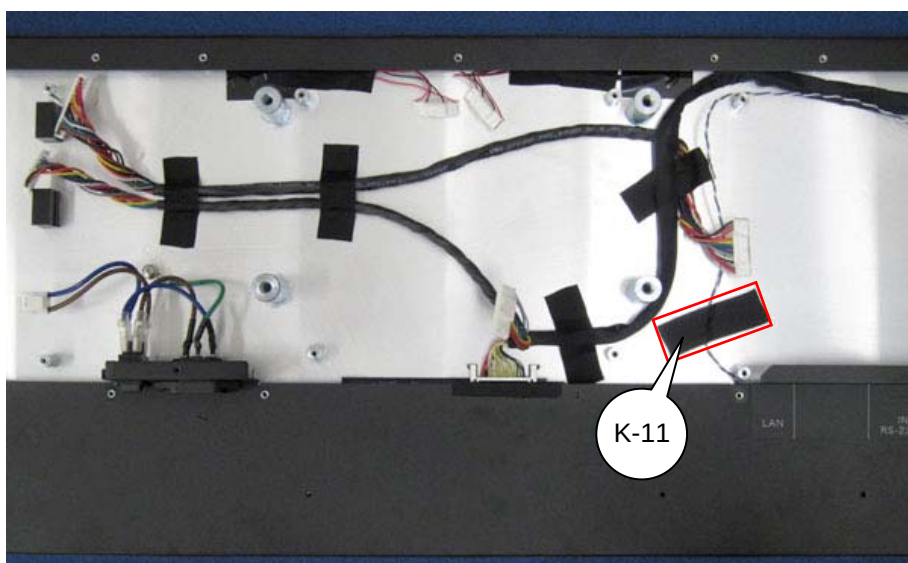


Right (右側)

S-2



Left (左側)

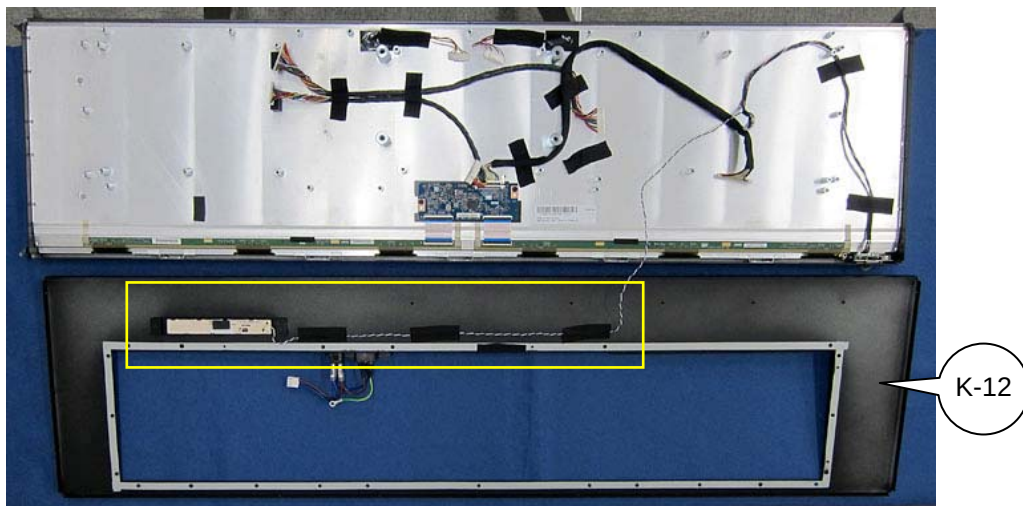


K-11

SYMBOL K-11:

Fix the position in the above photo with BLACK TAPE. (L = 60mm)

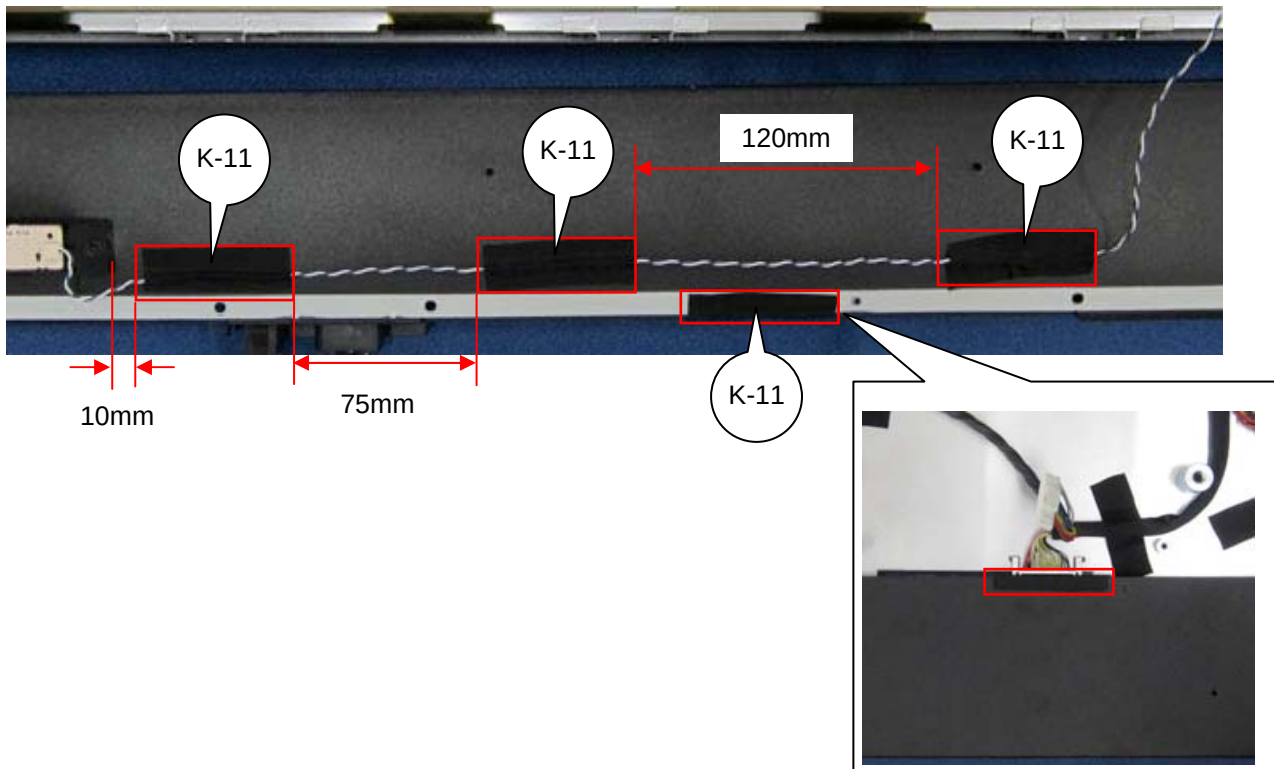
黒テープ をカットして、写真の位置に貼り付けてケーブルを固定する。(長さ = 60mm)



SYMBOL K-11:

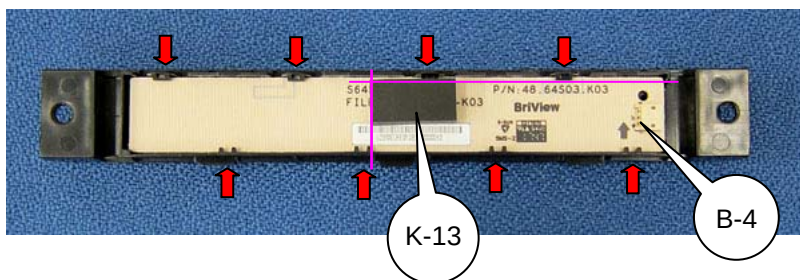
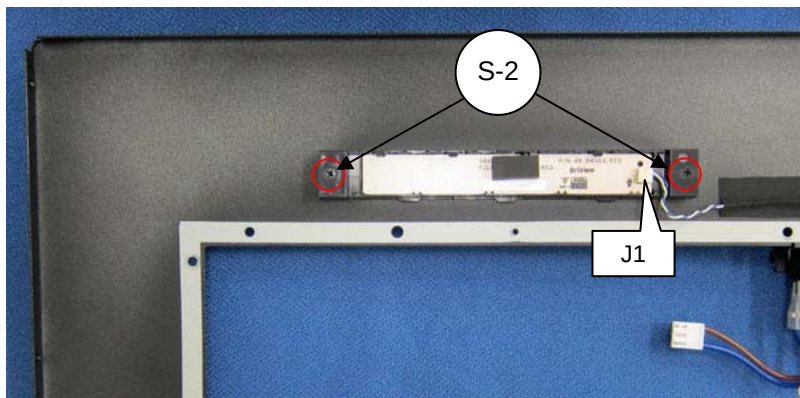
Fix the position in the above photo with BLACK TAPE. (L = 60mm)

黒テープ をカットして、写真の位置に貼り付けてケーブルを固定する。(長さ = 60mm)



Affix it in a mountain fold so that it is located above the LVDS cable.

LVDS ケーブルの上に位置するように山折りにして貼り付ける。



SYMBOL K-13:
Stick the rubber along the line.
ラバーはラインに沿って貼り付ける
こと。

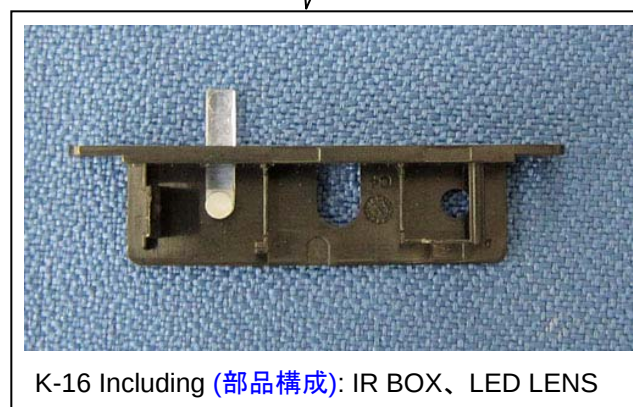
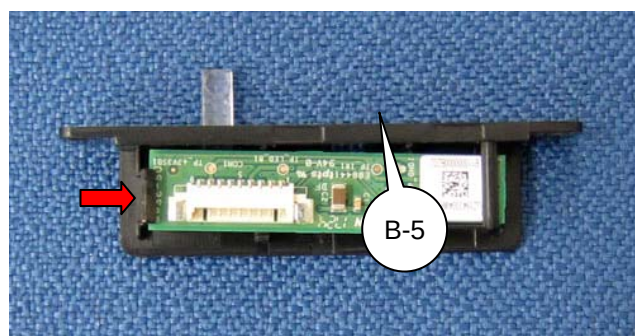
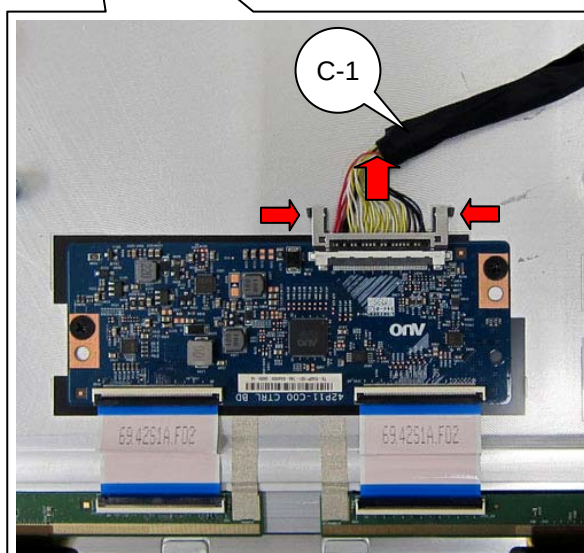
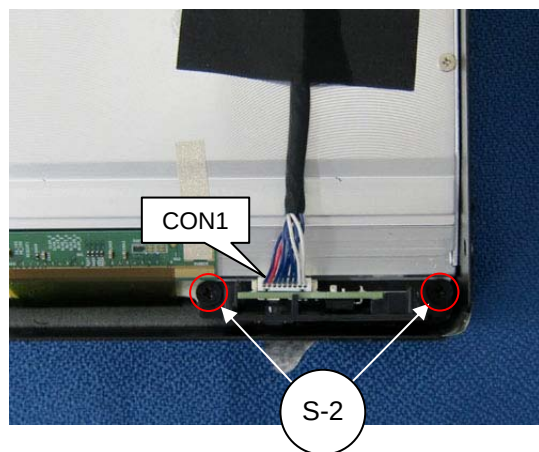
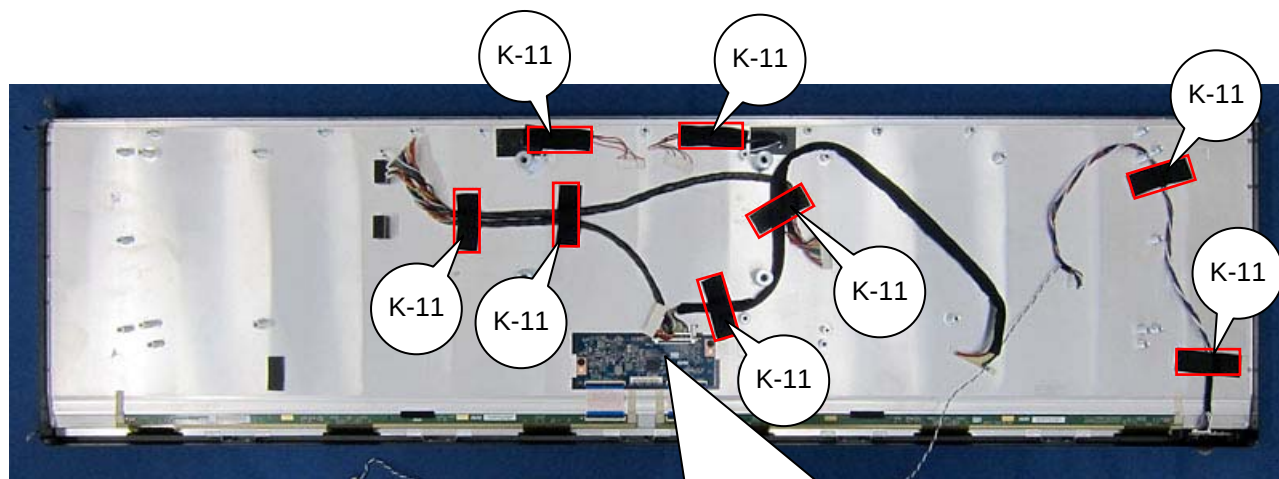


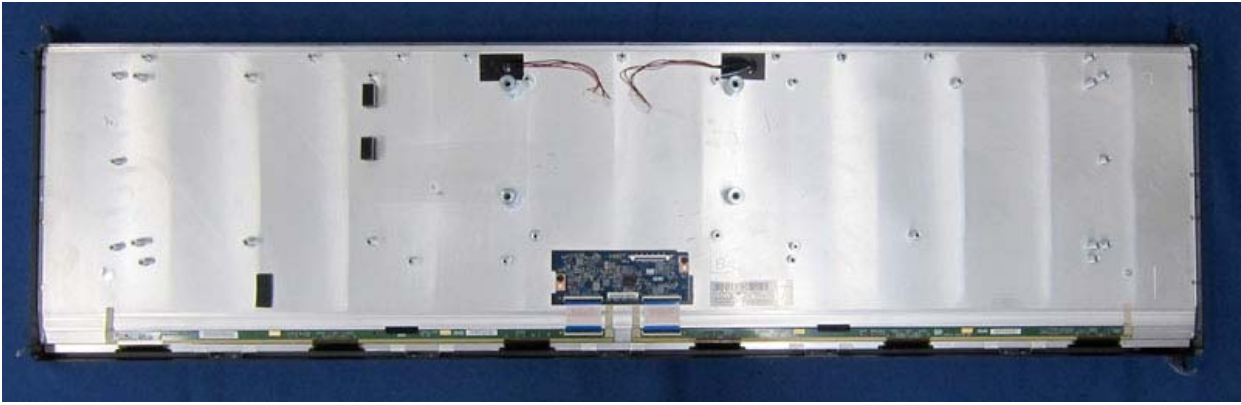
Remove the bezel and LCD panel ベゼルと LCD パネルの取り外し

SYMBOL K-11:

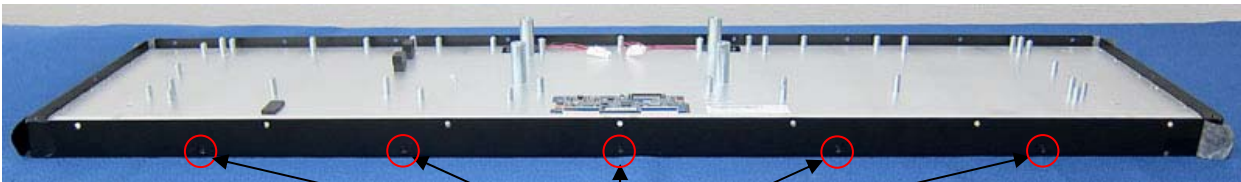
Fix the position in the above photo with BLACK TAPE. (L = 60mm)

黒テープ をカットして、写真の位置に貼り付けてケーブルを固定する。(長さ = 60mm)

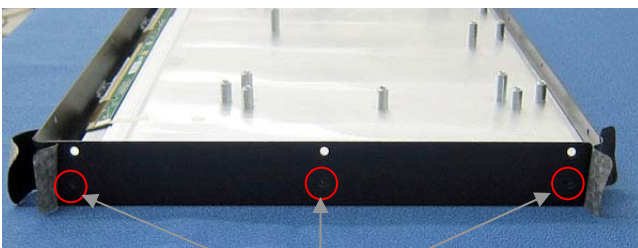
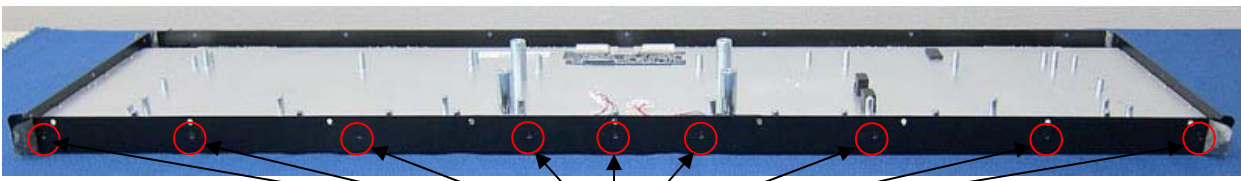




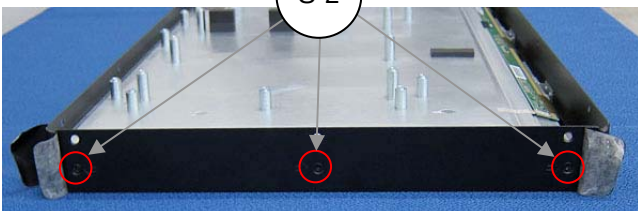
Bottom (下部)



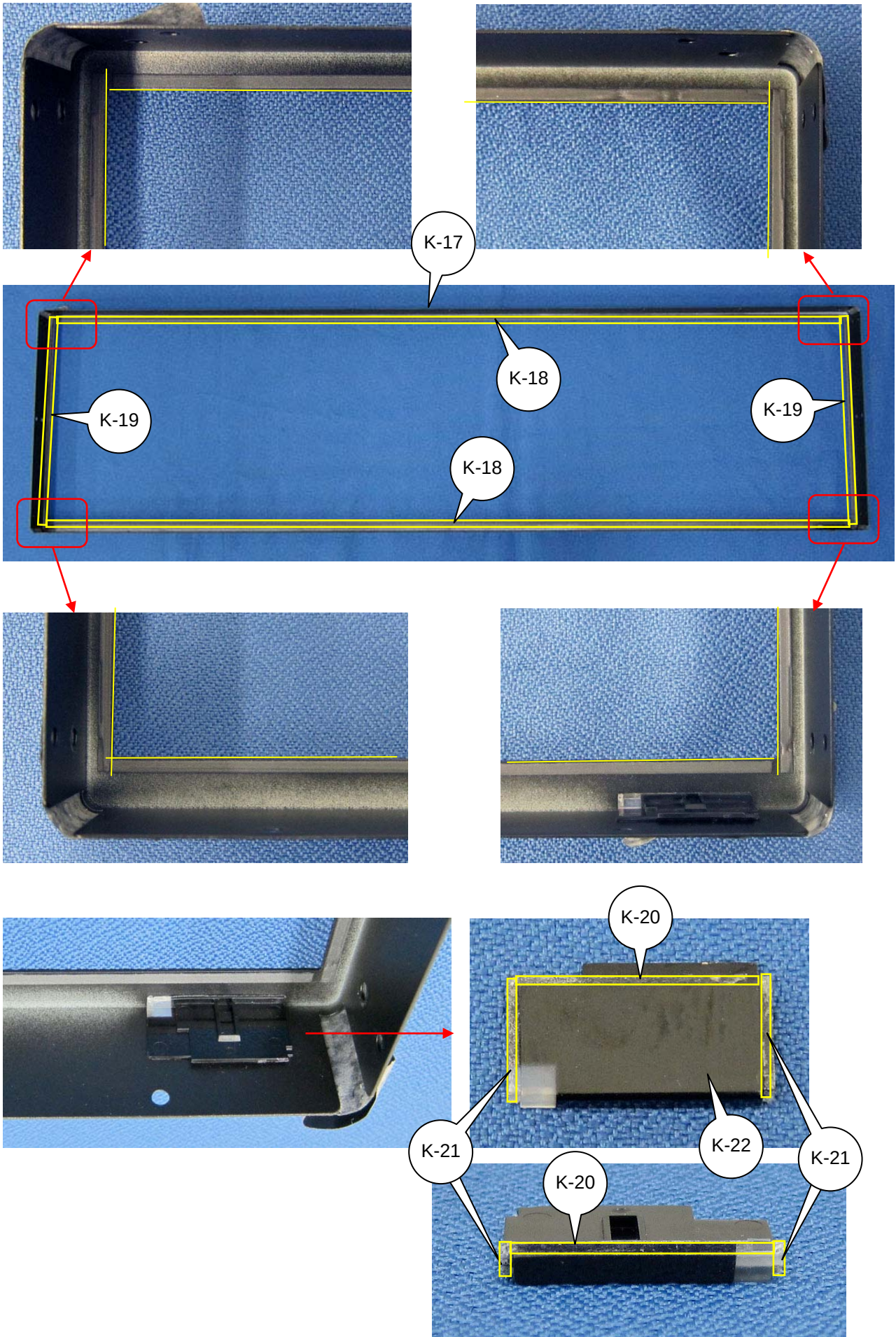
Top (上部)

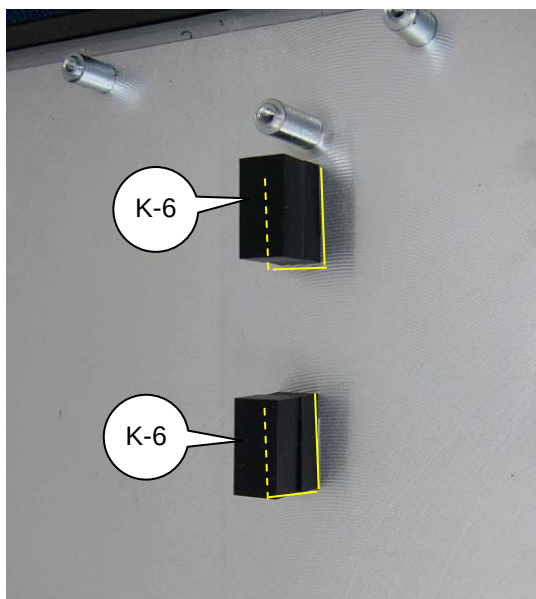


Right (右側)



Left (左側)

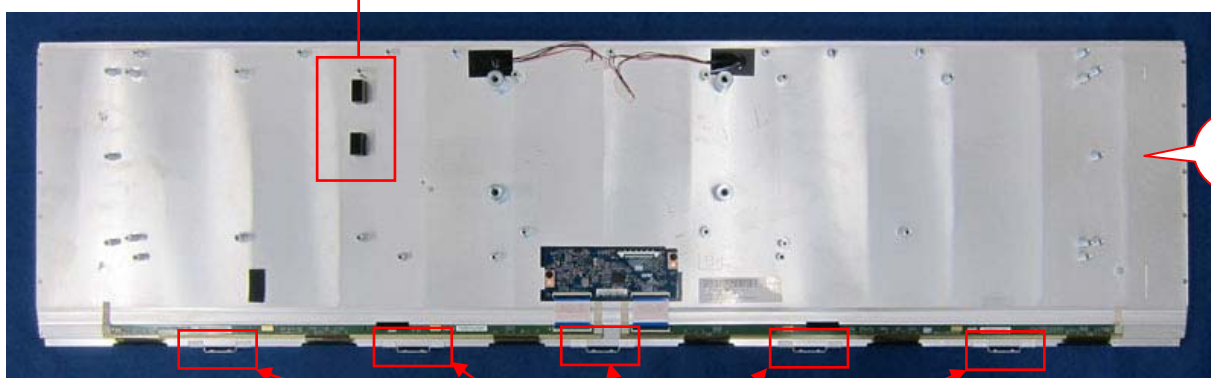




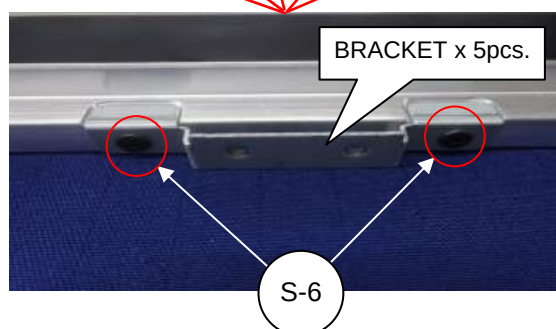
SYMBOL K-6:

The rubber is pasted at the position of the photo along the marking line.

ラバーは刻印線に沿って写真の位置に貼り付ける。



Note



SYMBOL S-6 ○ : 10 pcs.

Note

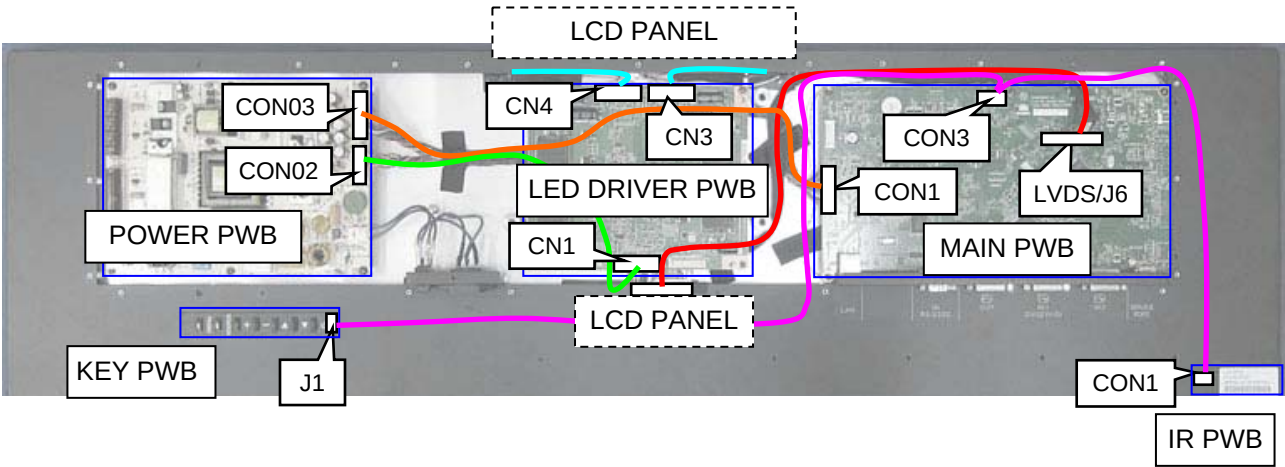
There is no supply in the LCD panel simple substance.

When LCD panel exchange is necessary, please contact NECDS.

LCD パネル単体での供給はありません。

LCD パネル交換が必要な場合は NECDS に連絡ください。

Wiring diagram 配線図



C-1		LVDS/J6 (MAIN PWB) → LCD PANEL
C-2		CON1 (MAIN PWB) → CON03 (POWER PWB)
C-3		CON02 (POWER PWB) → CN1 (LED DRIVER PWB)
C-4		CON3 (MAIN PWB) → J1 (KEY PWB)/CON1 (IR PWB)
---		CN3 / CN4 (LED DRIVER PWB) → LCD PANEL

6. Parts List

The spare parts listed in the column "Spare Parts" below are kept available in accordance to legal requirements of EU Regulation 2019/2021 for professional repairer.

Spare Part	Part Name/ Element of Part
a. Internal power board	Power PWB
b. Connectors to connect external equipment	Main PWB
c. Batteries and Accumulators	not applicable
d. DVD/Blue-Ray module	not applicable
e. HD/SSD module	not applicable