



LCD MONITOR

MODEL DD-EA241F

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 (section 5)
2. Remove Printed circuit boards (section 7)

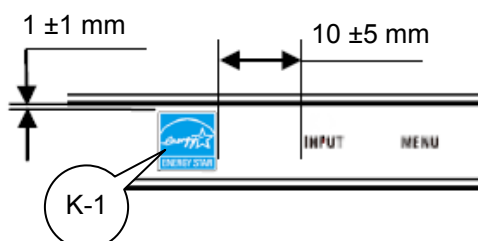
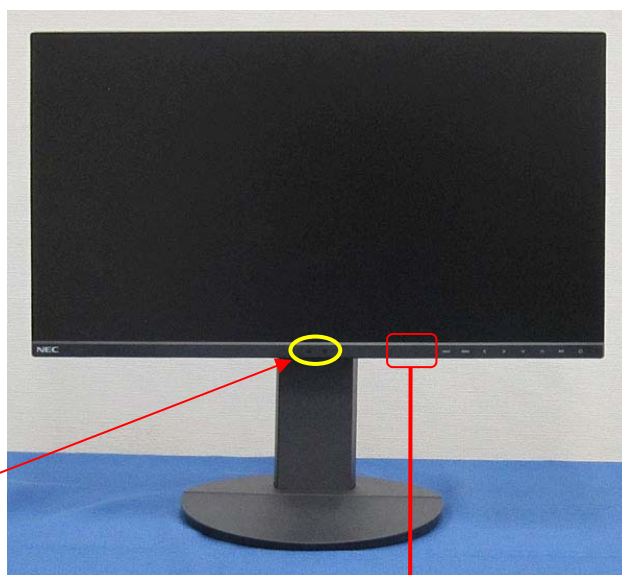
4. Disassembly

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。)
- Adhesive recommended spare parts that are used by peeling off tapes and backing materials are reused if they have sufficient adhesion even after peeling, Replace the part with a new part that is weak in adhesion and difficult to reuse.
Replace parts with new ones that are conductive and hazardous if peeled off.
Parts that are not targeted for recommended spare parts, such as insert-type clampers, are reused.
テープ類や台紙を剥がして使用するなど粘着性のある保守部品は、剥がした後も粘着性が十分あるものは再利用をし、粘着性が弱くなるなど再利用が困難な状態のものは新しい部品と交換して下さい。
また導電性があり剥がれた場合に危険な部品は、新しい部品と交換して下さい。
挿入式のクランプなど保守部品対象外の部品は再利用して下さい。

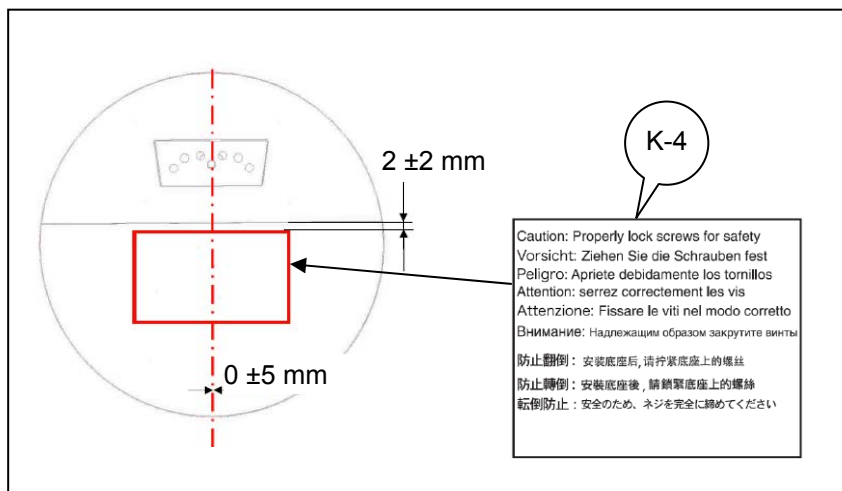
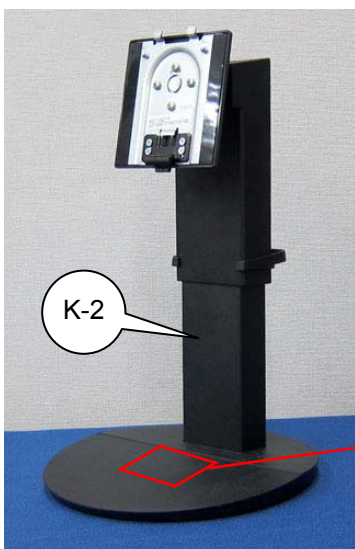
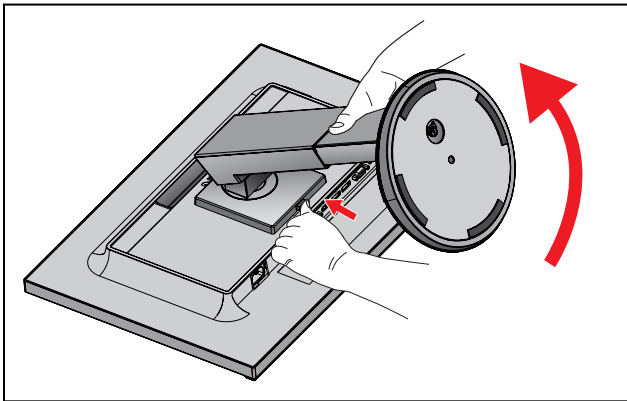
Caution!

Do not add strong power to the sensor assembly.
センサー部分には強い力を掛けないようにすること。



The 3rd digit of the serial No. (シリアルナンバー3桁目): "0", "1"

Remove the stand assy (Only for EA241F / EA241F-BK)
スタンドの取り外し (LCD-EA241F / LCD-EA241F-BK のみ適用)

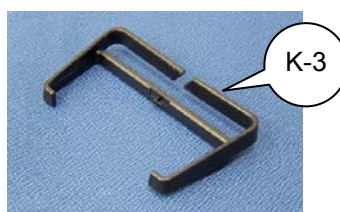


SYMBOL K-2 Included Item: STAND, BASE

SYMBOL K-3: CABLE HOLDER

SYMBOL K-2 部品構成：スタンド、ベース

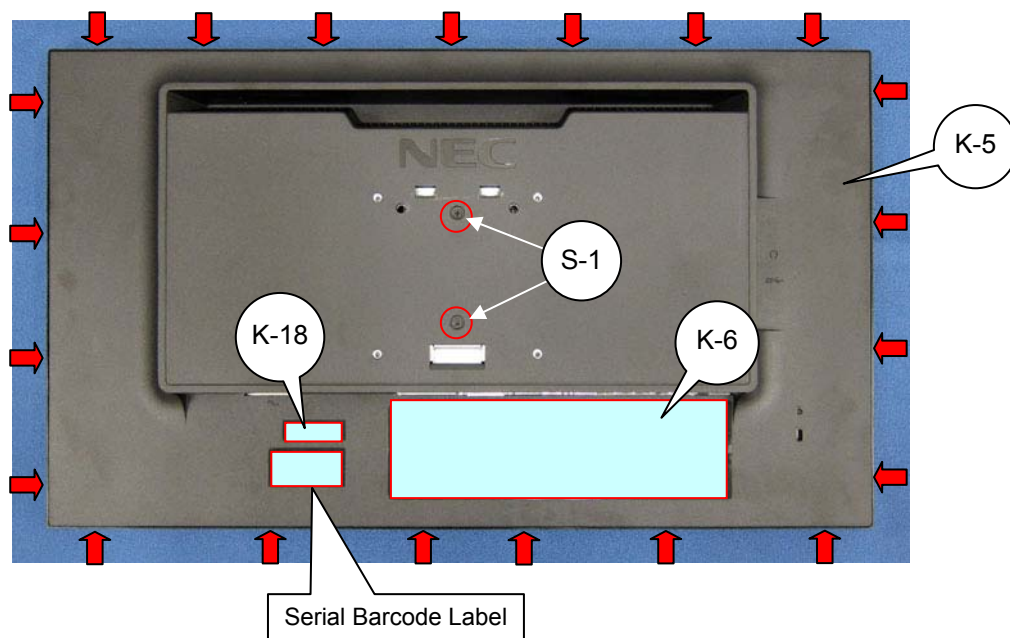
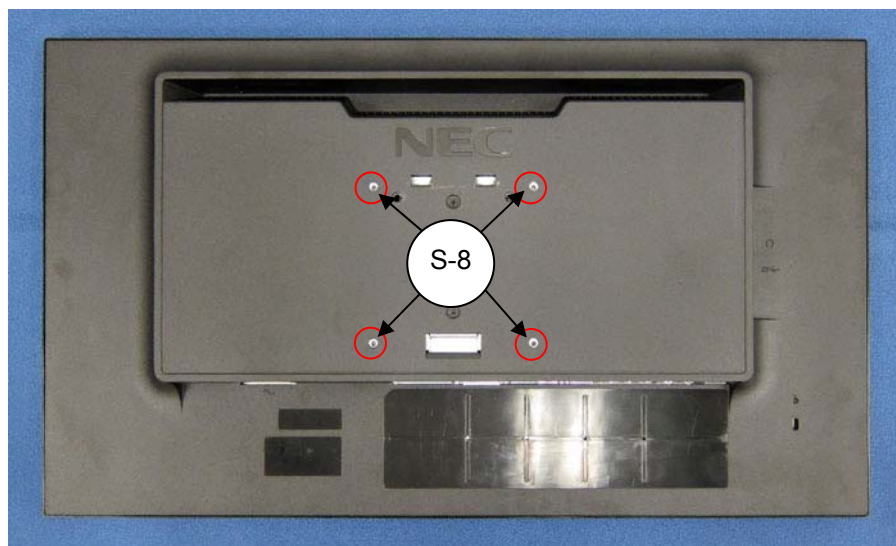
SYMBOL K-3: ケーブルホルダー



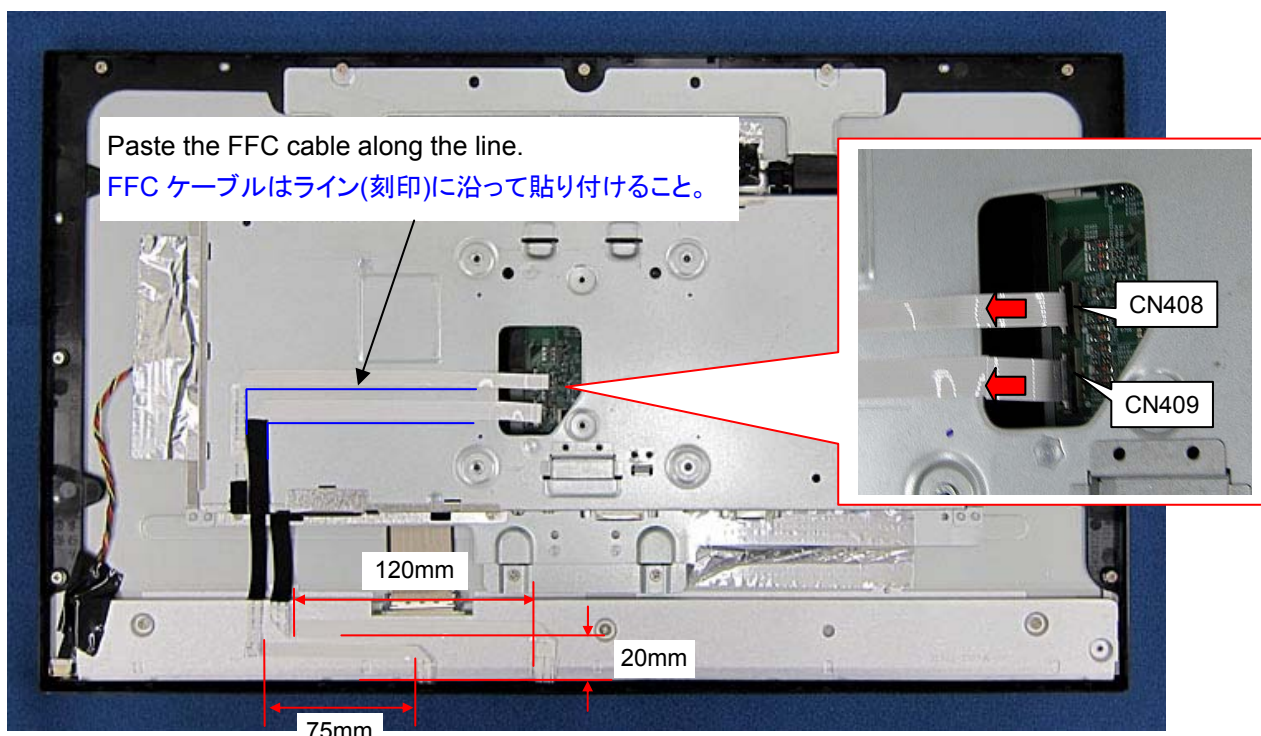
Remove the rear cover リアカバーの取り外し

*NOTE: SYMBOL S-8 (Only for EA241F-H / EA241F-H-BK)

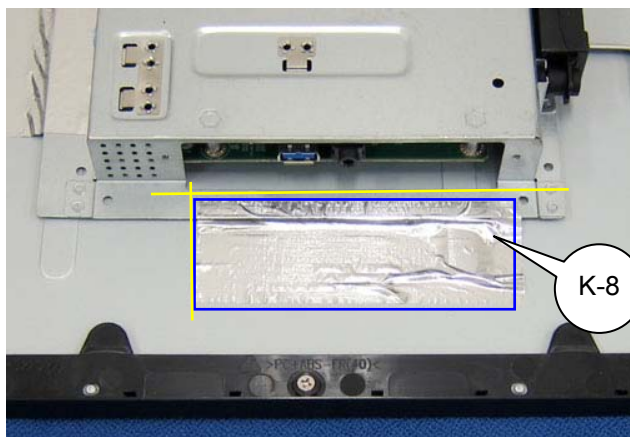
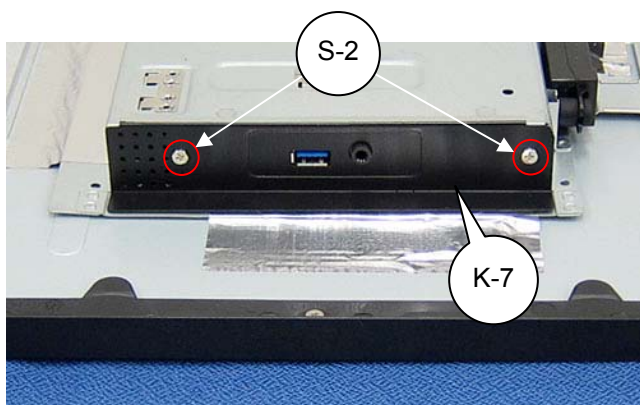
*NOTE: SYMBOL S-8 (EA241F-H / EA241F-H-BK のみ適用)



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

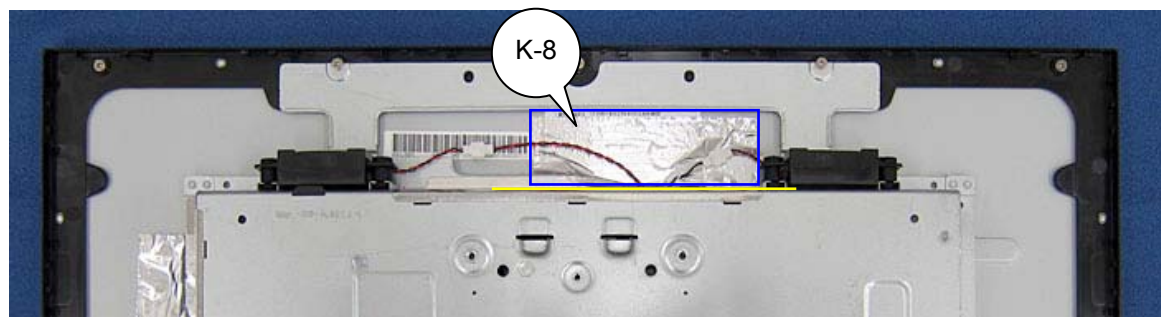
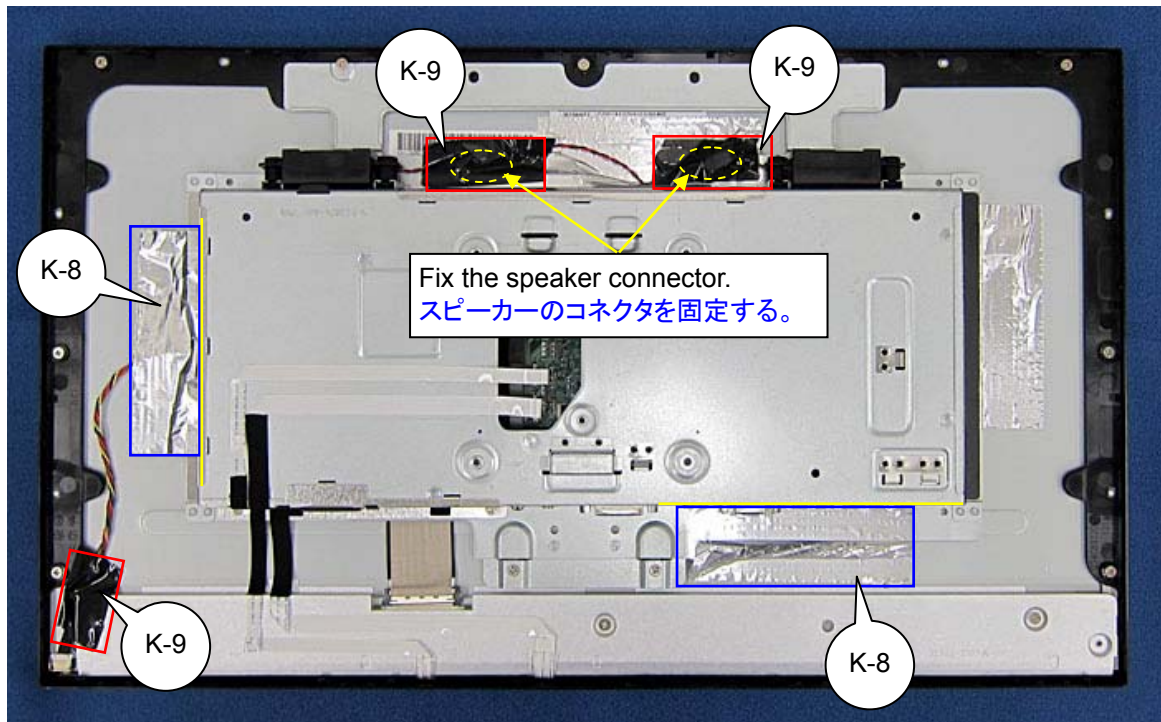


The FFC cable must do the foaming as shown in the photo.
写真の位置に貼り付け FFC ケーブルを固定すること。



SYMBOL K-8: Fix the position in the above photo with AL TAPE. (L = 120mm)

SYMBOL K-8: アルミテープ をカットして、写真の位置に貼り付けること。(長さ = 120mm)

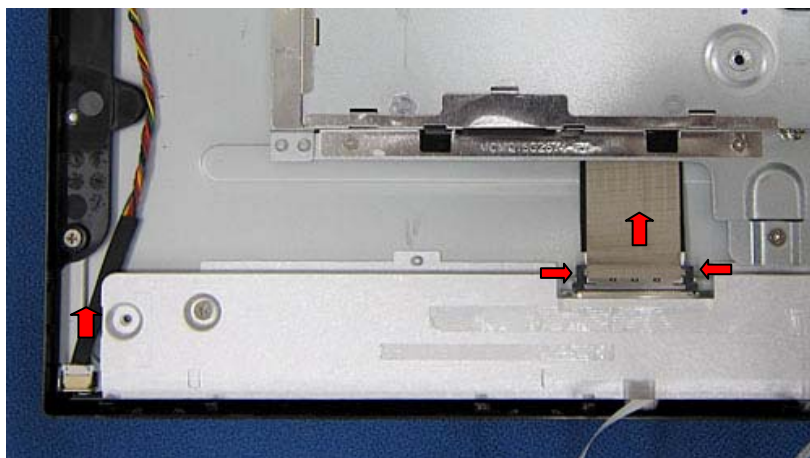


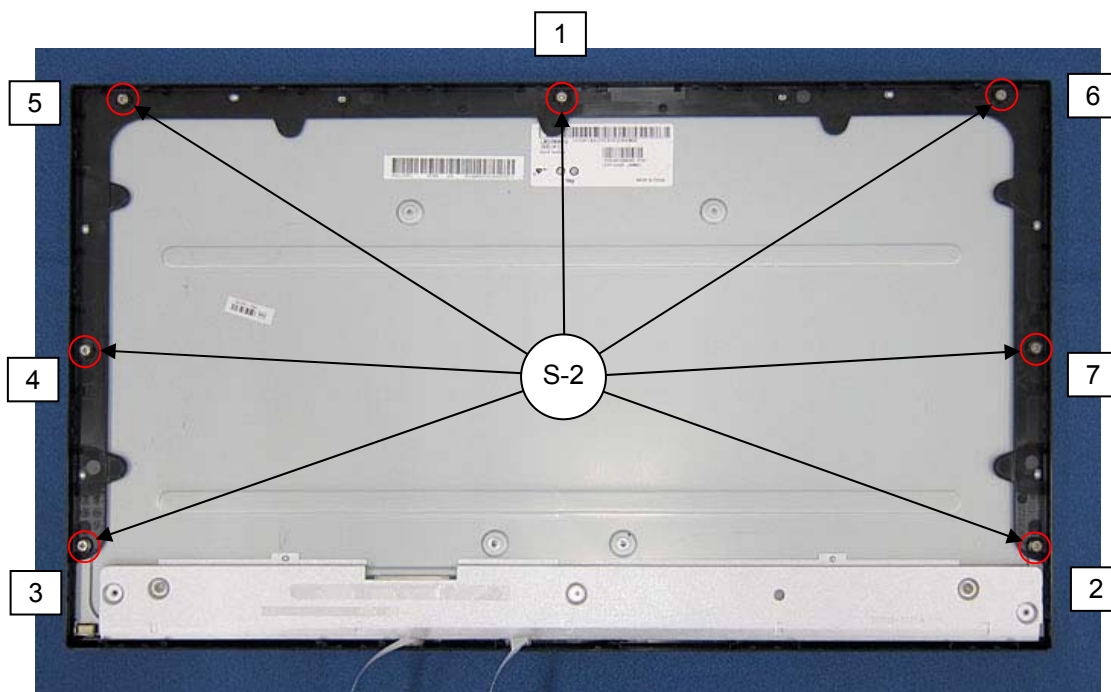
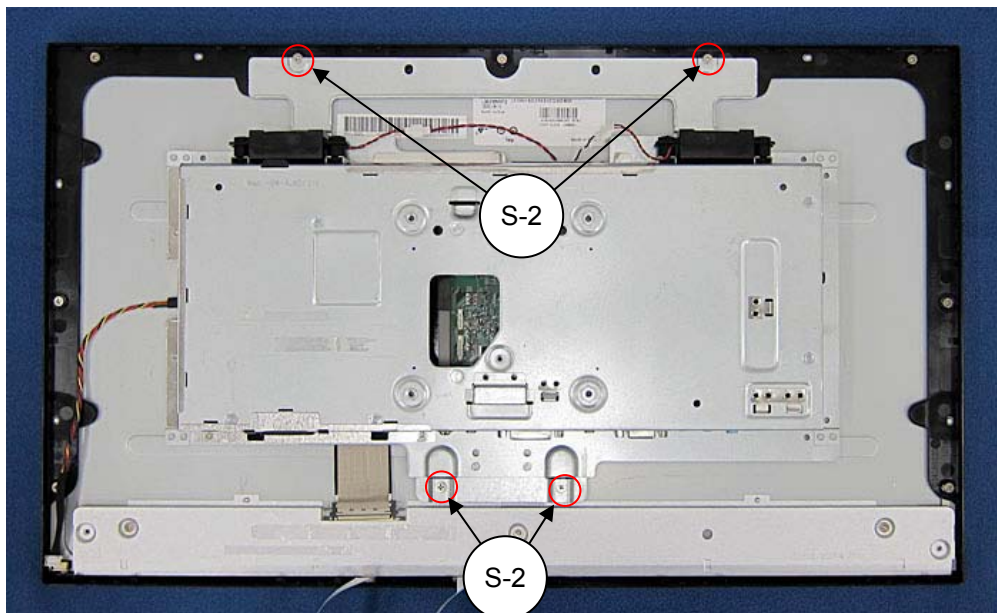
SYMBOL K-8: Fix the position in the above photo with AL TAPE. (L = 120mm)

SYMBOL K-8: アルミテープ をカットして、写真の位置に貼り付けること。(長さ = 120mm)

SYMBOL K-9: Fix the position in the above photo with BLACK TAPE. (L = 60mm)

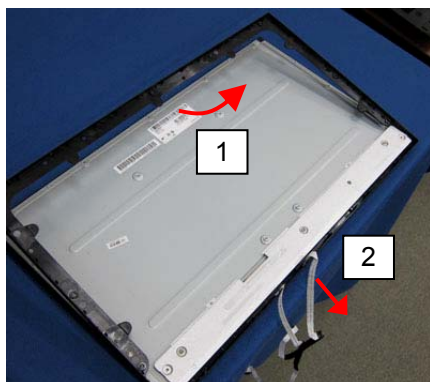
SYMBOL K-9: 黒テープ をカットして、写真の位置に貼り付け、ケーブルを固定すること。(長さ = 60mm)





The installation screws it in order of a number.

取付する際は、番号順にネジ留めすること。



How to remove the bezel.

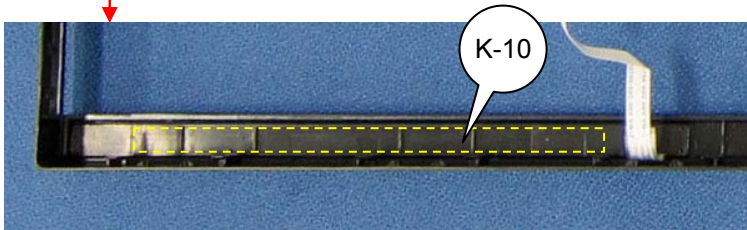
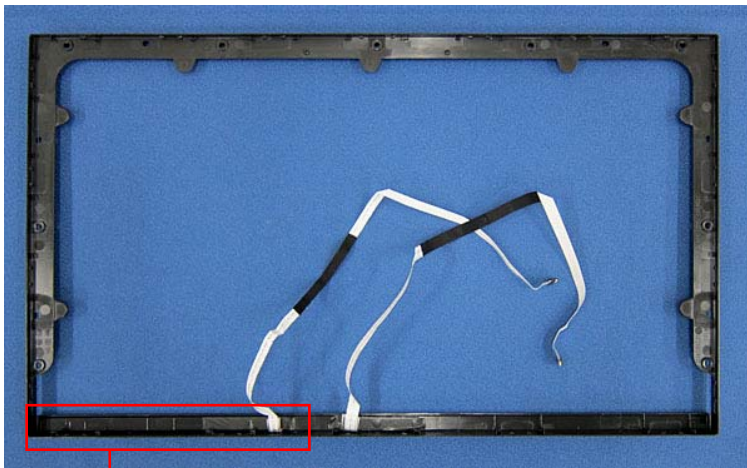
ベゼルの外し方

1. Slightly lift the top of the bezel.

1. ベゼルの上部を少し持ち上げる。

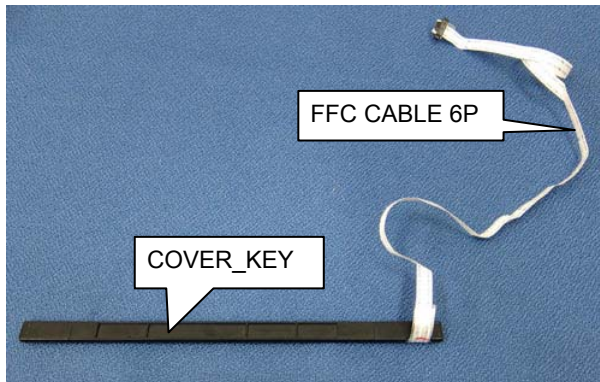
2. Slide down.

2. 下へずらす。



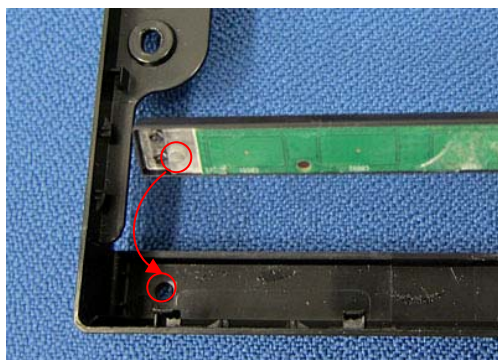
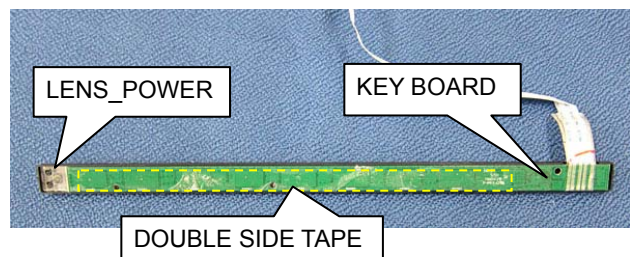
SYMBOL K-10: It newly prepares and it puts it on the position of the photograph when sticking of the double-faced tape of the KEY PWB cannot weaken, and it reproduce when bezel is exchanged.

SYMBOL K-10: ベゼルを交換する際、キー基板の両面テープの粘着が弱くなり、再生不可の場合は、新しく準備して写真の位置に貼り付けること。



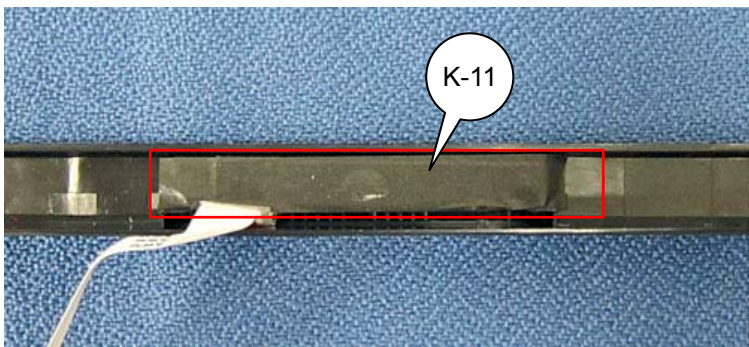
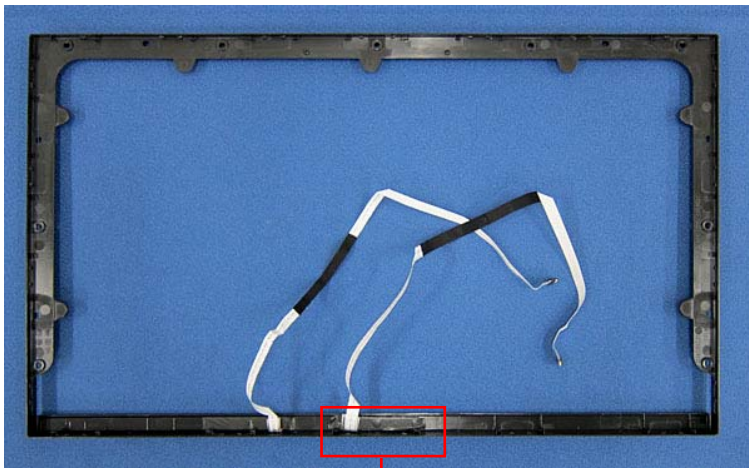
SYMBOL B-3 Included Item: KEY BOARD, COVER_KEY, LENS_POWER, DOUBLE SIDE TAPE, FFC CABLE 6P

SYMBOL B-3 部品構成: キー基板、カバーキー、レンズパワー、両面テープ、FFC ケーブル 6P



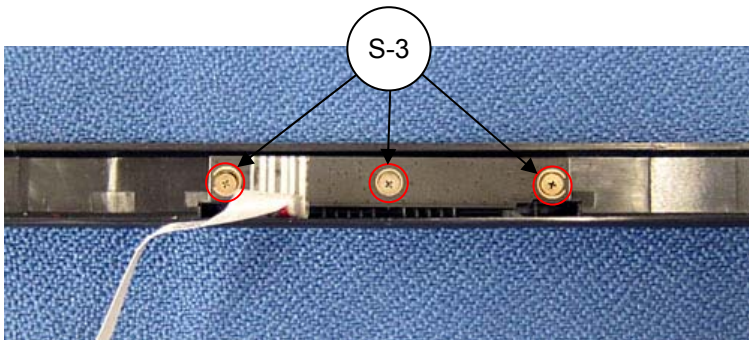
Installation (取付方)

The power lens and the bezel hole are matched.
パワーレンズ(突起)とベゼルの穴を合わせる。

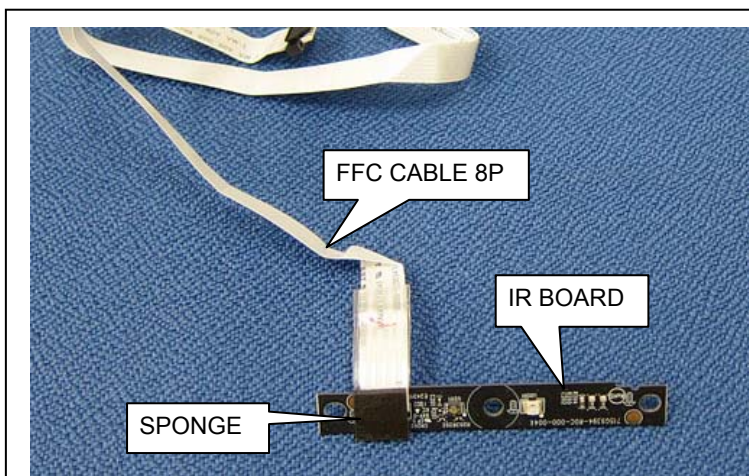


SYMBOL K-11: Fix the position in the above photo with BLACK TAPE. (L = 70mm)

SYMBOL K-11: 黒テープ をカットして、写真の位置に貼り付けること。(長さ = 70mm)

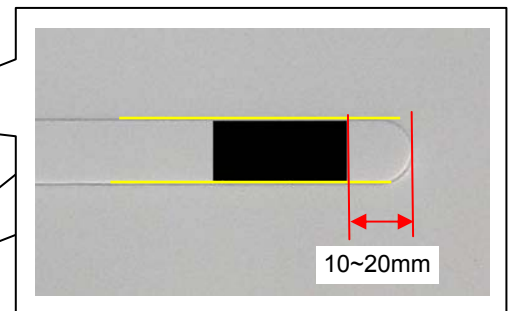
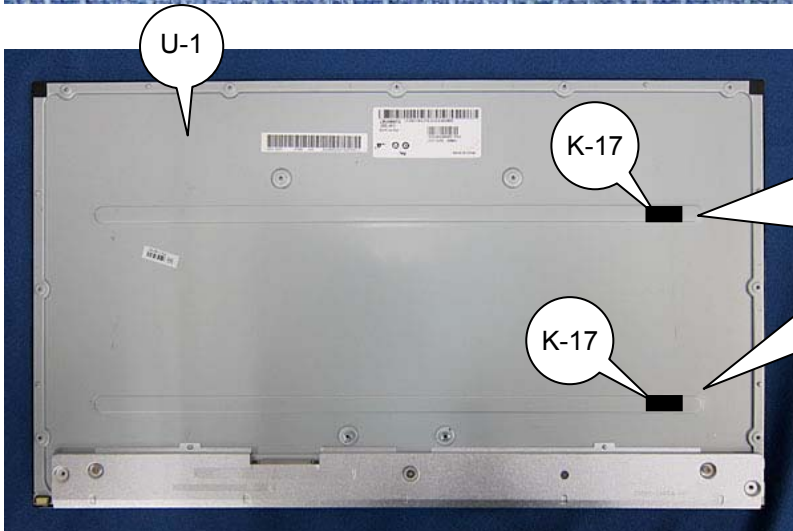
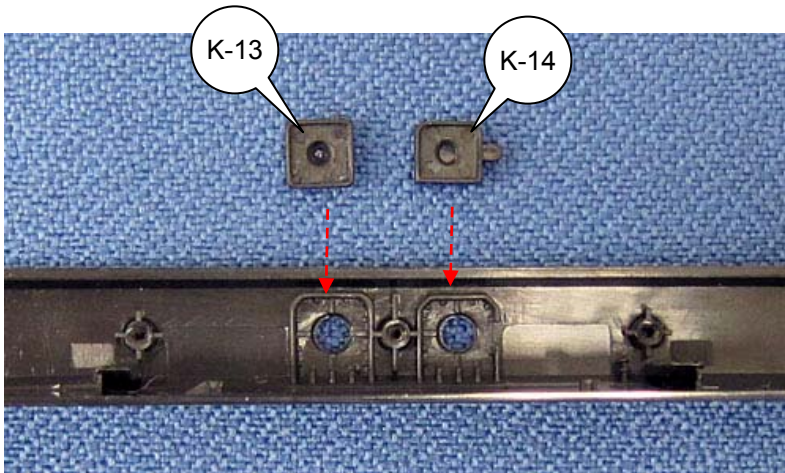
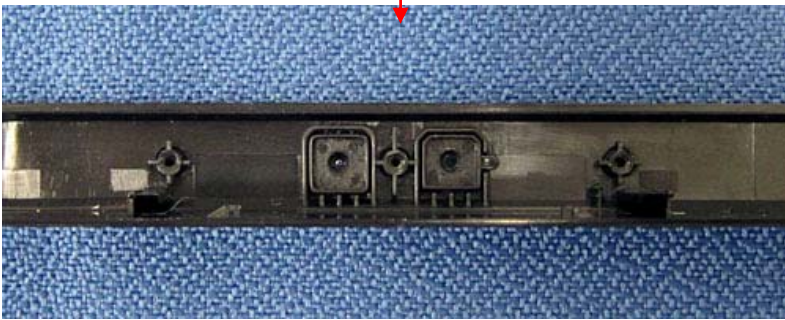
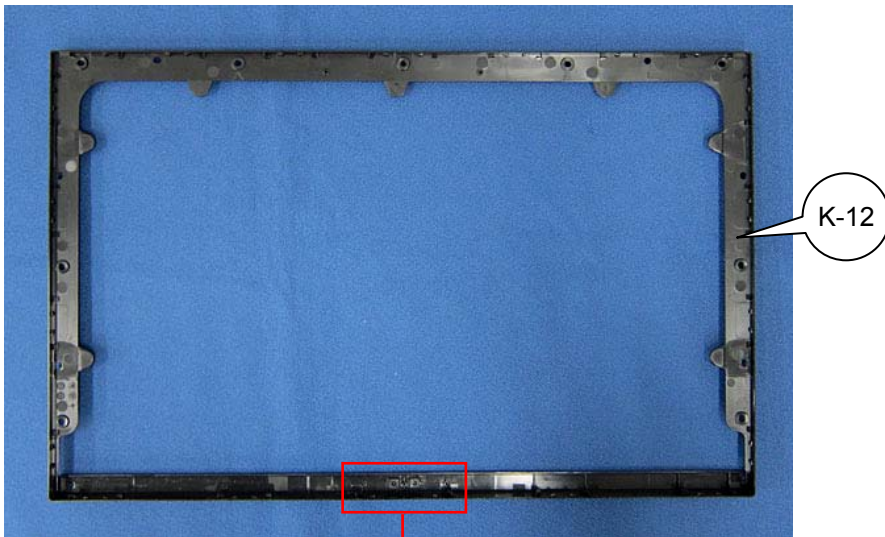


B-4

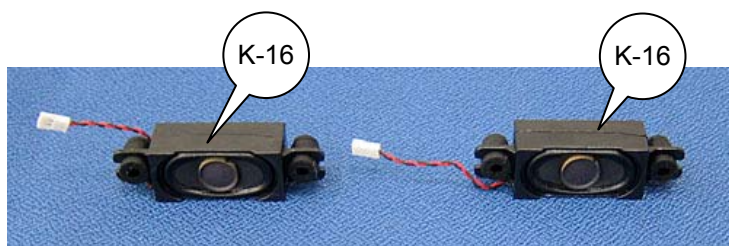
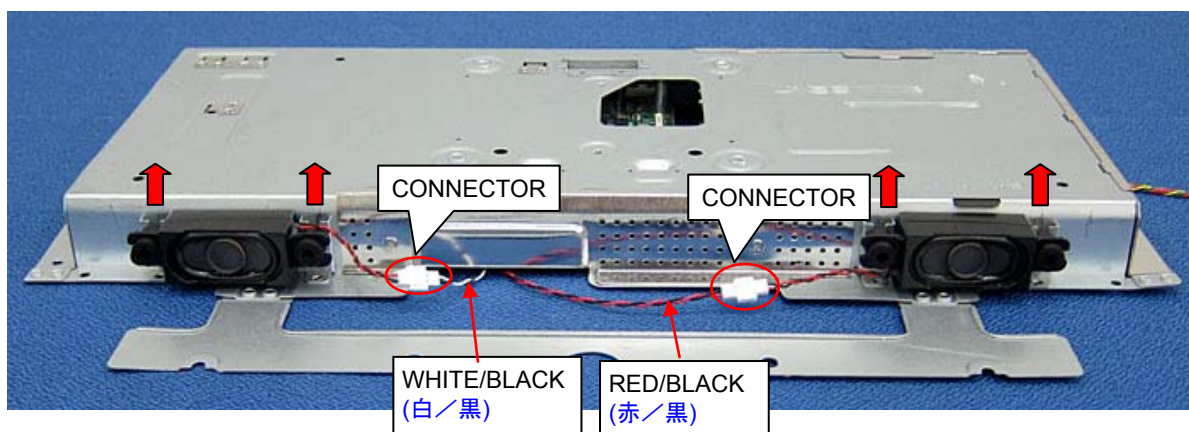
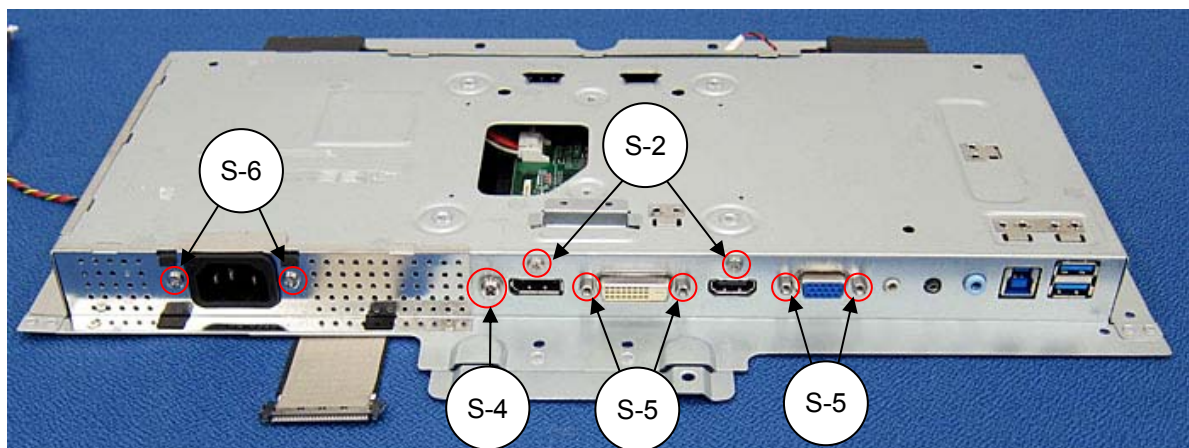


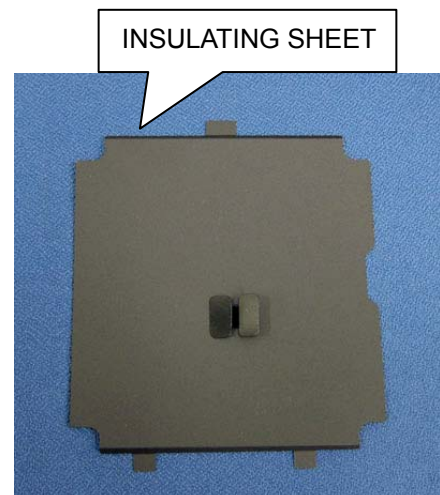
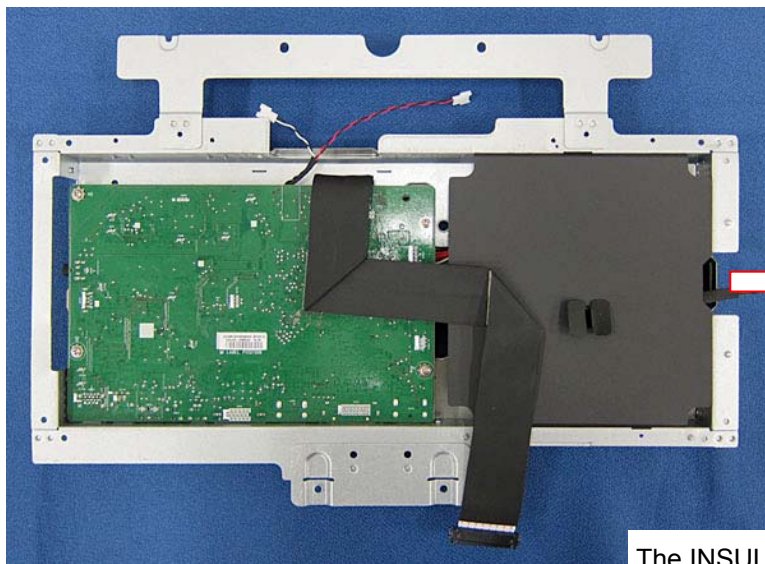
SYMBOL B-4 Included Item: IR BOARD, FFC CABLE 8P, SPONGE

SYMBOL B-4 部品構成: IR 基板、FFC ケーブル 8P, スポンジ

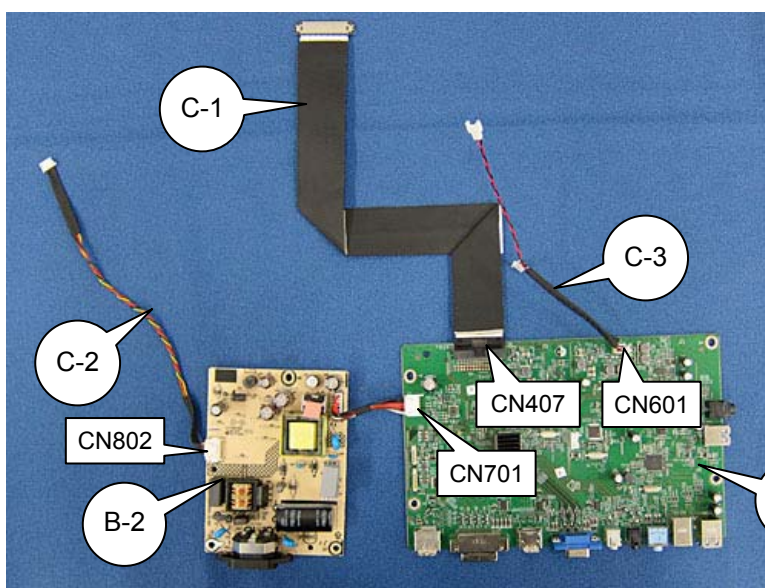
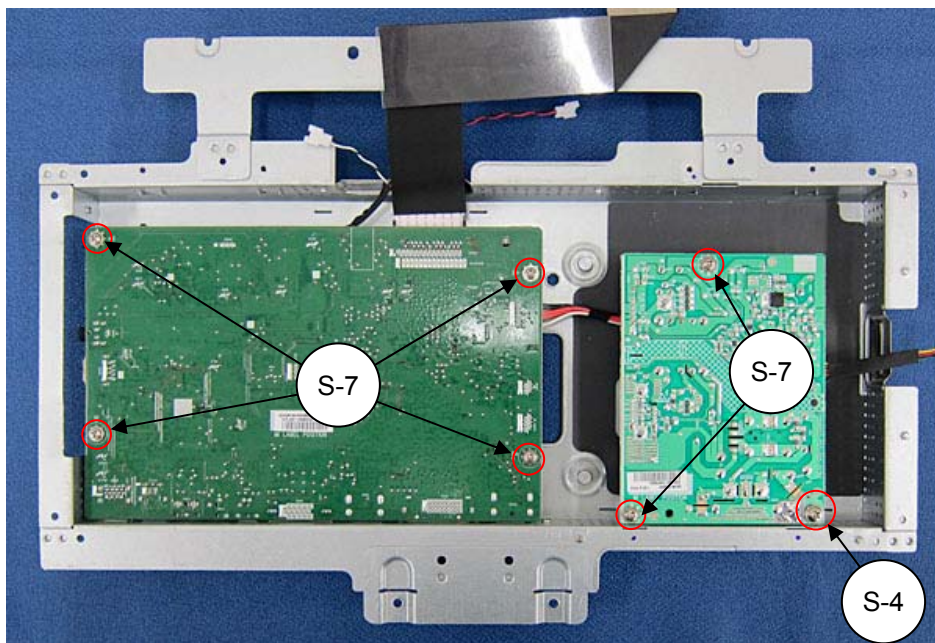


Remove the PWB Assy / the Speaker 基板およびスピーカーの取り外し



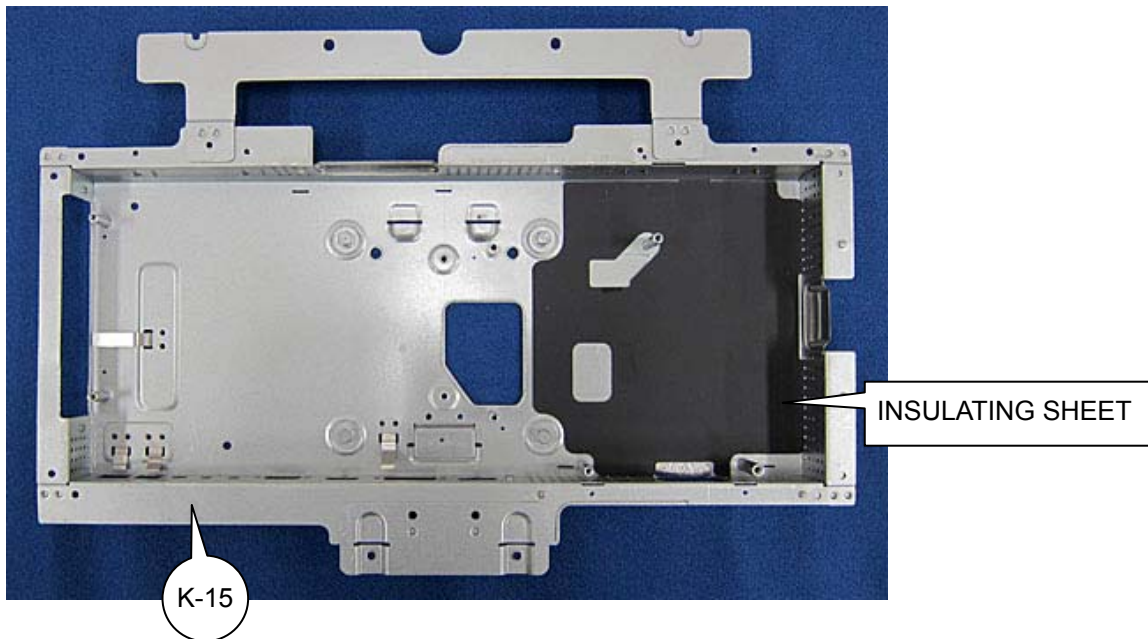


The INSULATING SHEET is removed and it recycles.
INSULATING SHEET は外して再利用すること。



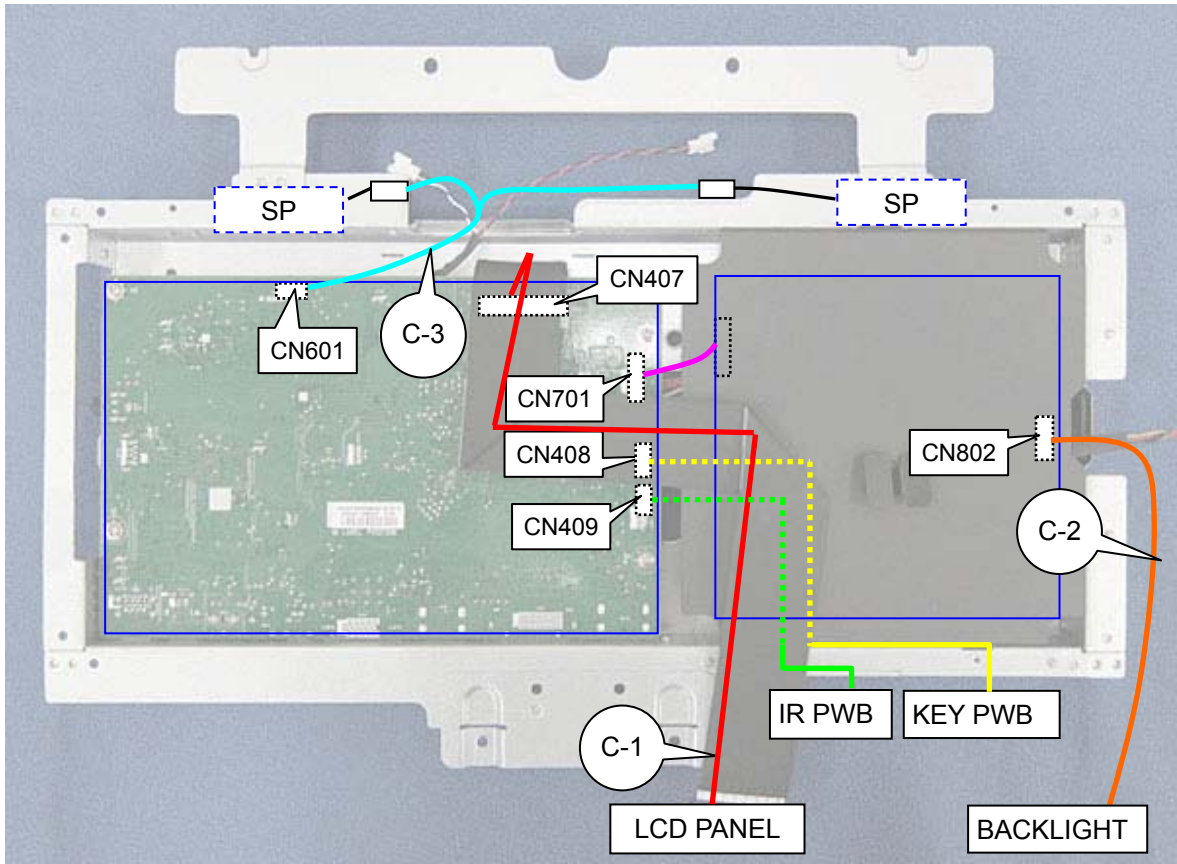
SYMBOL C-1: The LVDS cable is delivered in the state that performed forming.

SYMBOL C-1: LVDS ケーブルはフォーミングした状態で納品されます。



When the MAINFRAME is exchanged, the INSULATING SHEET is removed and it recycles.
MAINFRAME を交換する際は INSULATING SHEET を外して再利用すること。

Wiring diagram
配線図



C-1		CN407 (MAIN PWB) → LCD PANEL (LVDS)
C-2		CN802 (POWER PWB) → LCD PANEL (BACKLIGHT)
B-3		CN408 (MAIN PWB) → (KEY PWB)
B-4		CN409 (MAIN PWB) → (IR PWB)
C-3		CN601 (MAIN PWB) → SPEAKER L/R
---		(POWER PWB) → CN701 (MAIN PWB)

5. 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