

SONY®

TRIAx TRANSMISSION ADAPTOR

HKC-TR20

OPTICAL FIBER TRANSMISSION ADAPTOR

HKC-FB20

SIDE PANEL ATTACHMENT KIT

HKC-CN20

INSTALLATION 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可能性があります。
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。

設置や保守、点検、修理などを行う前に、カメラ本体に付属している下記マニュアルの「安全のために」を必ずお読みください。

- HDC2400/HDC2500/HDC2550
メンテナンスマニュアルおよびオペレーションマニュアル

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 manuel 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.

Table of Contents

1. Installation

1-1. Accessories.....	1-1 (E)
1-2. Overview of Installation.....	1-2 (E)
1-2-1. Installing HKC-TR20 to HDC2500/2400.....	1-2 (E)
1-2-2. Installing HKC-FB20 to HDC2550	1-2 (E)
1-2-3. Installing HKC-CN20 to HDC2500/2400	1-3 (E)
1-2-4. Installing HKC-CN20 to HDC2550	1-3 (E)
1-3. Installation Procedures	1-4 (E)
1-3-1. Installing HKC-TR20 to HDC2500/2400.....	1-4 (E)
1-3-2. Installing HKC-FB20 to HDC2550	1-7 (E)
1-3-3. Installing HKC-CN20 to HDC2500/2400	1-10 (E)
1-3-4. Installing HKC-CN20 to HDC2550	1-16 (E)

Section 1

Installation

Purpose of this manual

This manual is an installation manual of HKC-TR20/HKC-FB20/HKC-CN20.

Intended for use by system and service engineers, this manual describes information on installation of HKC-TR20/HKC-FB20/HKC-CN20.

Related manual

Besides this installation manual, the following manual is available for HKC-TR20/HKC-FB20/HKC-CN20.

- HDC2400/HDC2500/HDC2550 Maintenance Manual (available on request)

This manual describes information on the maintenance and component-based service of the unit.

If you need this manual, please contact your local Sony Sales Office/Service Center.

1-1. Accessories

Components (HKC-TR20)

- Outside panel assembly
- Installation guide
- Rating label (TR)

Components (HKC-FB20)

- Outside panel assembly
- Installation guide
- Rating label (FB)

Components (HKC-CN20)

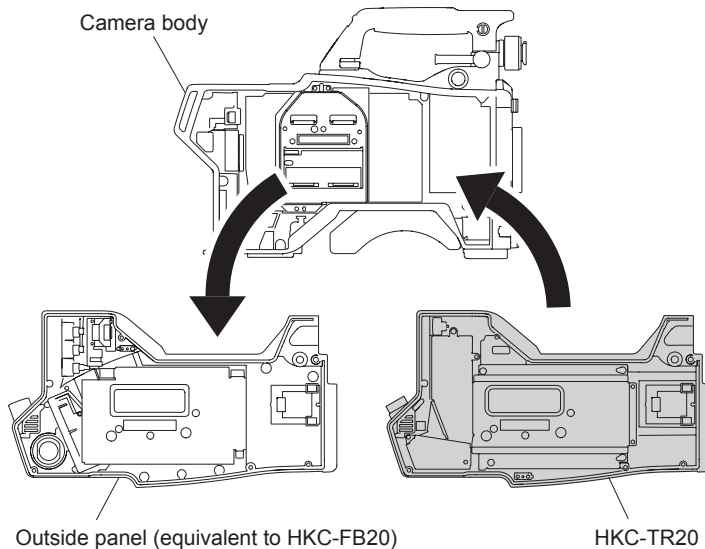
- CN block body
- CN block fiber
- Screws (7)
- TRIAX CN holder assembly
- Installation guide

1-2. Overview of Installation

1-2-1. Installing HKC-TR20 to HDC2500/2400

Notes

- If HKC-CN20 is not installed to the camera body, install HKC-CN20 to begin with the following procedures.
- For details of this installation, refer to “1-3-1. Installing HKC-TR20 to HDC2500/2400”.



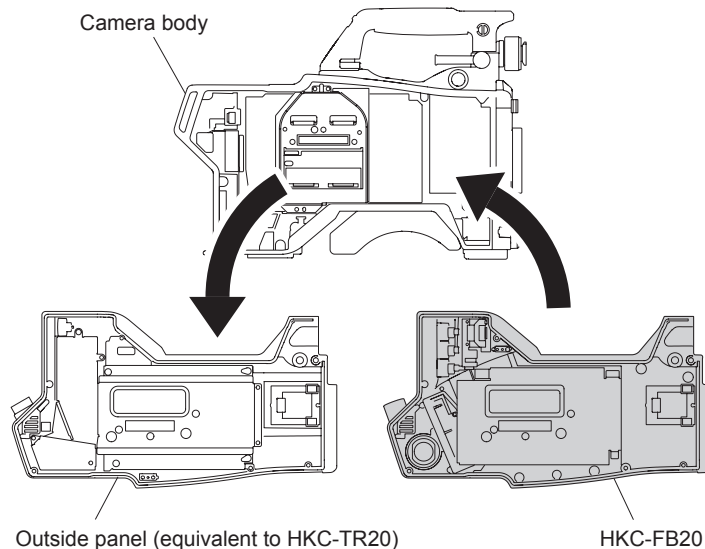
Outline of installation procedure

- (1) Open the Outside panel.
- (2) Disconnect the harness.
- (3) Remove the outside panel.
- (4) Install the HKC-TR20.
- (5) Stick the rating label (TR) on the camera body.

1-2-2. Installing HKC-FB20 to HDC2550

Notes

- If HKC-CN20 is not installed to the camera body, install HKC-CN20 to the camera body.
- For details of this installation, refer to “1-3-2. Installing HKC-FB20 to HDC2550”



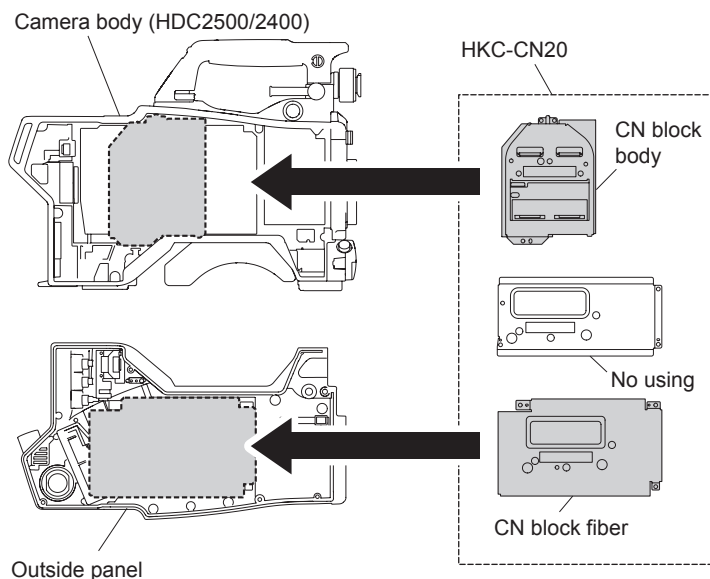
Outline of installation procedure

- (1) Open the Outside panel.
- (2) Disconnect the harness.
- (3) Remove the outside panel.
- (4) Install the HKC-TR20.
- (5) Stick the rating label (FB) on the camera body.

1-2-3. Installing HKC-CN20 to HDC2500/2400

Note

For details of this installation, refer to “1-3-3. Installing HKC-CN20 to HDC2500/2400”.



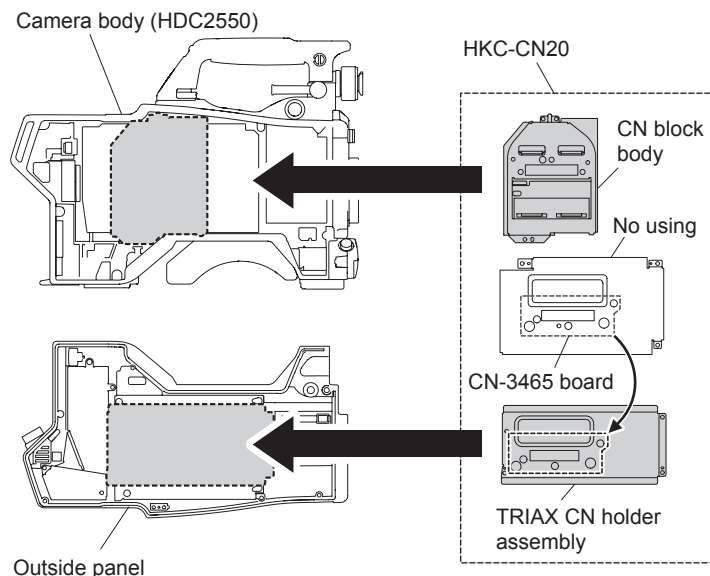
Outline of installation procedure

- (1) Open the Outside panel.
- (2) Disconnect the two harnesses.
- (3) Remove the outside panel.
- (4) Install the HKC-CN20 (CN block body) to the camera body.
- (5) Install the HKC-CN20 (CN block fiber) to the outside panel.
- (6) Connect the two harnesses.
- (7) Close the outside panel.

1-2-4. Installing HKC-CN20 to HDC2550

Note

For details of this installation, refer to “1-3-4. Installing HKC-CN20 to HDC2550”.



Outline of installation procedure

- (1) Open the Outside panel.
- (2) Disconnect the two harnesses.
- (3) Remove the outside panel.
- (4) Install the HKC-CN20 (CN block body) to the camera body.
- (5) Replace the CN-3465 board.
- (6) Install the HKC-CN20 (TRIAX CN holder assembly) to the outside panel.
- (7) Connect the two harnesses.
- (8) Close the outside panel.

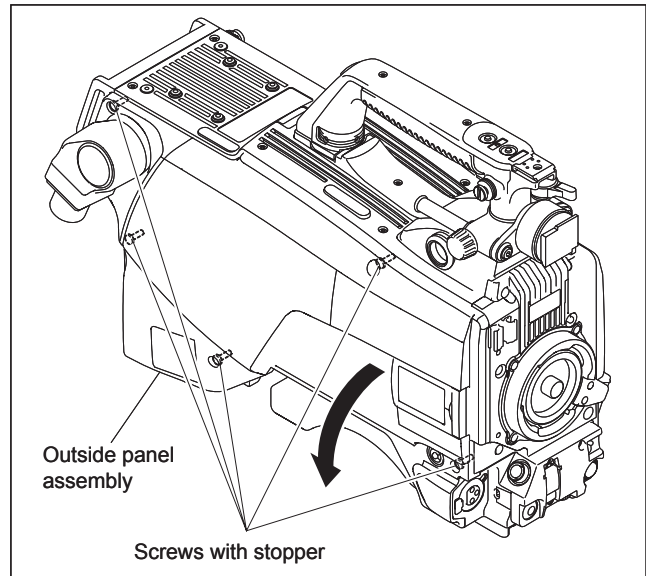
1-3. Installation Procedures

1-3-1. Installing HKC-TR20 to HDC2500/2400

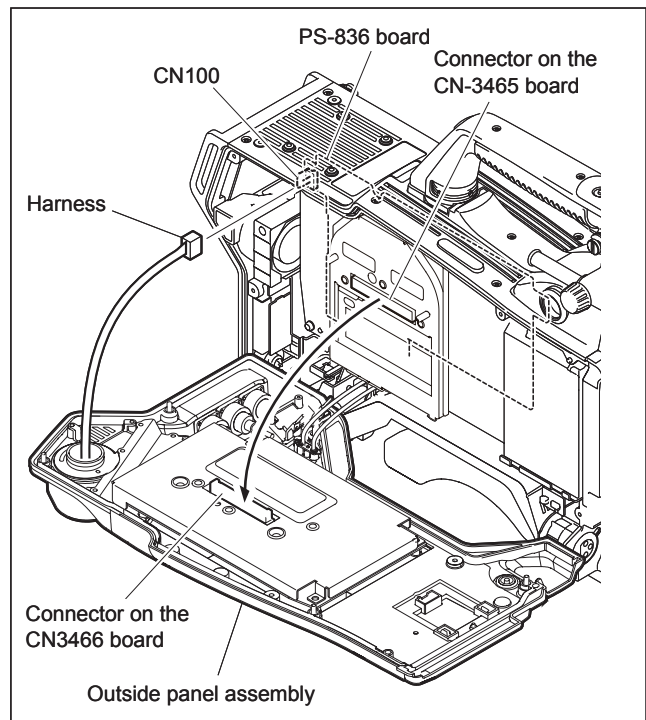
Notes

- Power off the unit and disconnect the power cord or battery beforehand to avoid damage to the circuit of the unit.
- If HKC-CN20 is not installed to the camera body, install HKC-CN20 to begin with the following procedures.

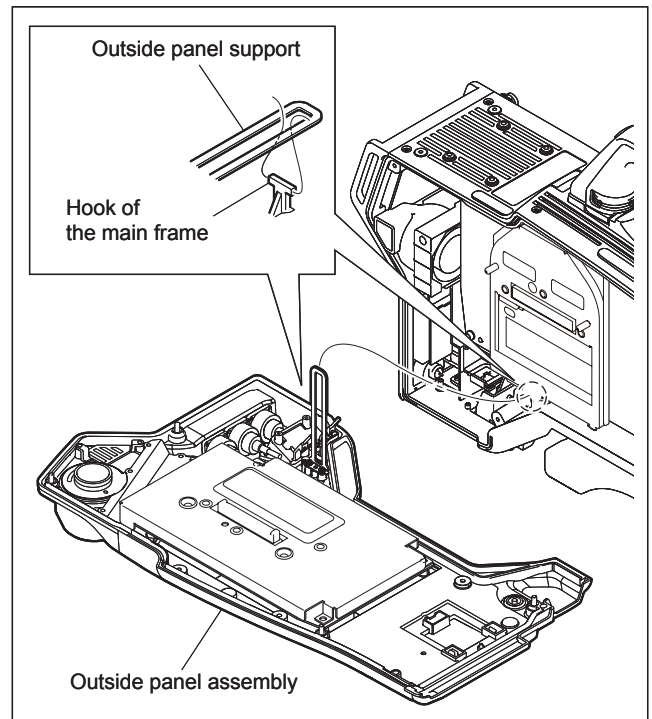
1. Loosen the five screws with stopper to open the outside panel assembly in the direction of arrow.



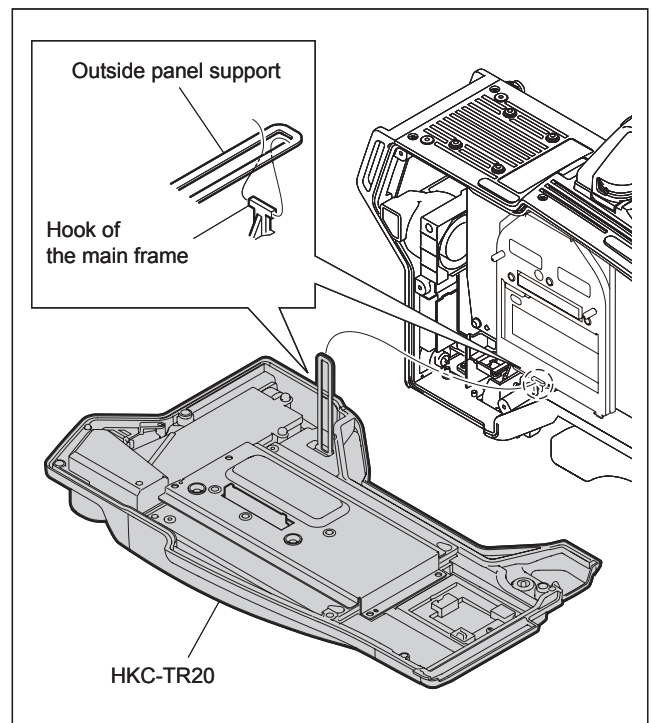
2. Disconnect the harness from the connector (CN100) on the PS-836 board.



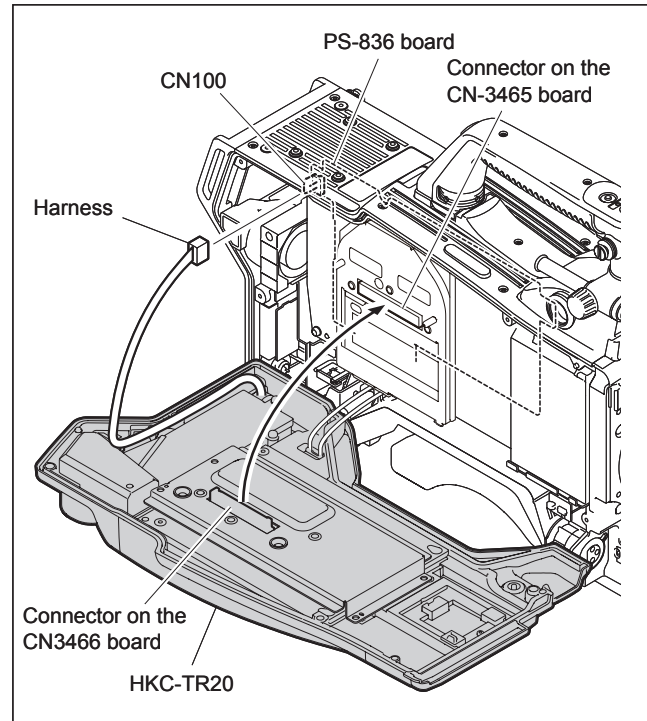
3. Remove the outside panel support from the hook of the main frame and remove the outside panel assembly.



4. Install the outside panel support of the HKC-TR20 to the hook of the main frame.



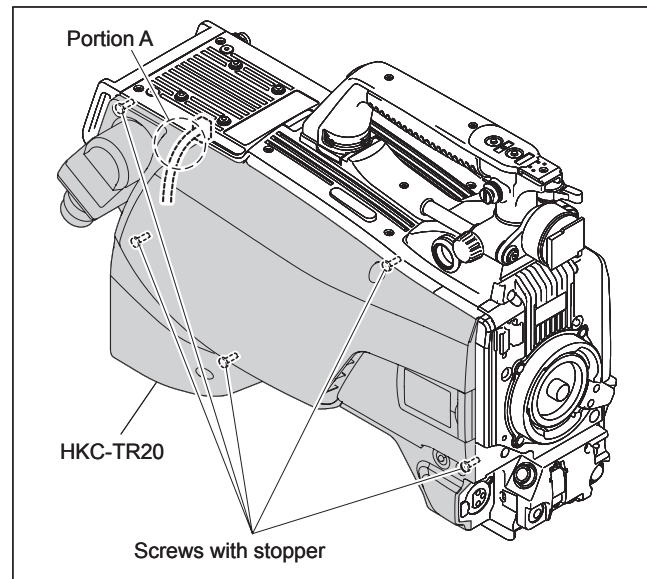
5. Connect the harness to the connector (CN100) on the PS-836 board.
6. Close the HKC-TR20 to connect the connector on the CN-3466 board and the connector on the CN-3465 board.



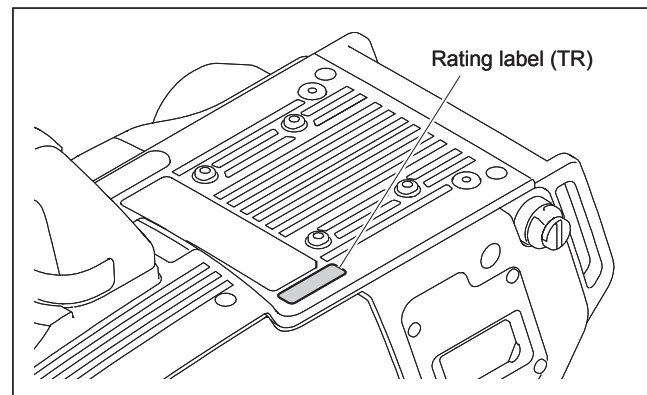
7. Tighten the five screws with stopper to install the HKC-TR20.

Note

When installing the HKC-TR20, be careful so that the harness will not be caught at portion A.



8. Stick the rating label (TR).

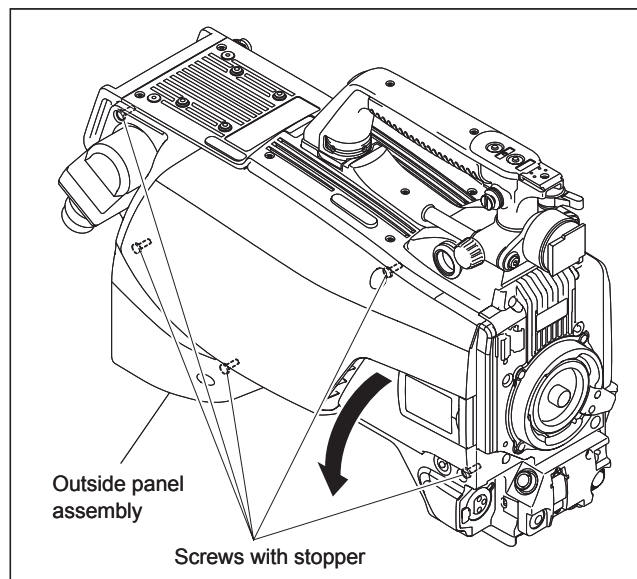


1-3-2. Installing HKC-FB20 to HDC2550

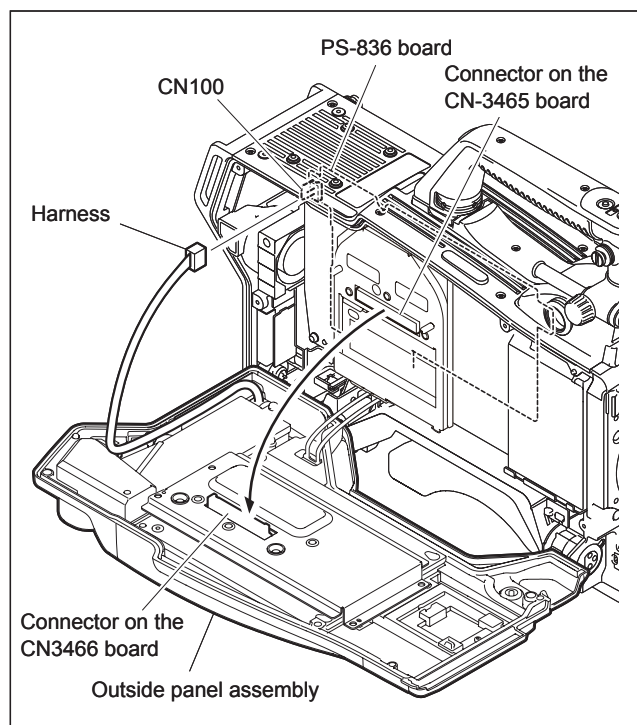
Notes

- Power off the unit and disconnect the power cord or battery beforehand to avoid damage to the circuit of the unit.
- If HKC-CN20 is not installed to the camera body, install HKC-CN20 to begin with the following procedures.

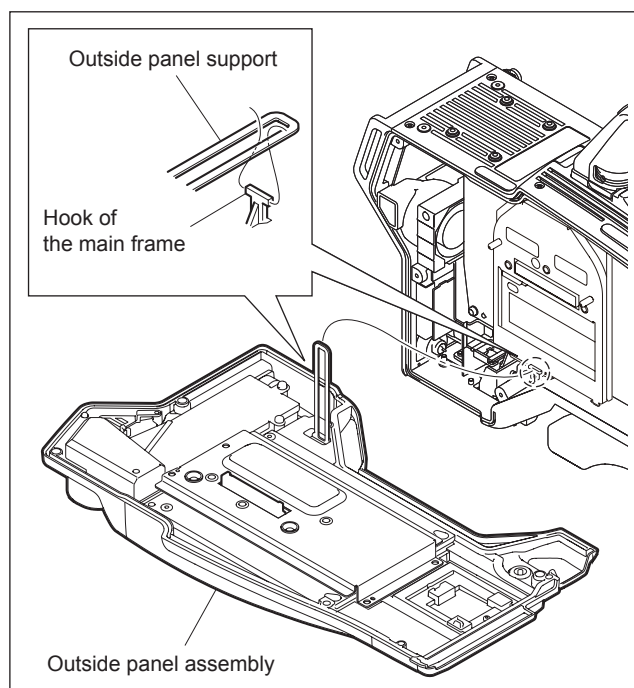
1. Loosen the five screws with stopper to open the outside panel assembly in the direction of arrow.



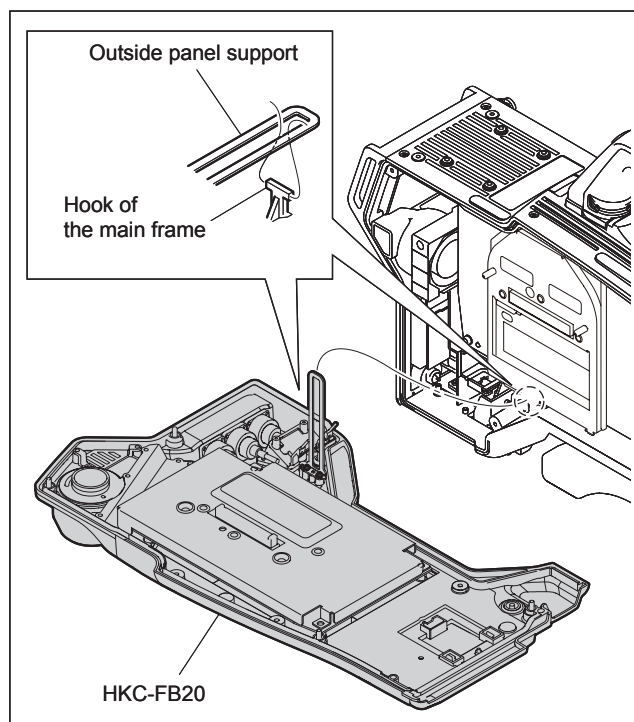
2. Disconnect the harness from the connector (CN100) on the PS-836 board.



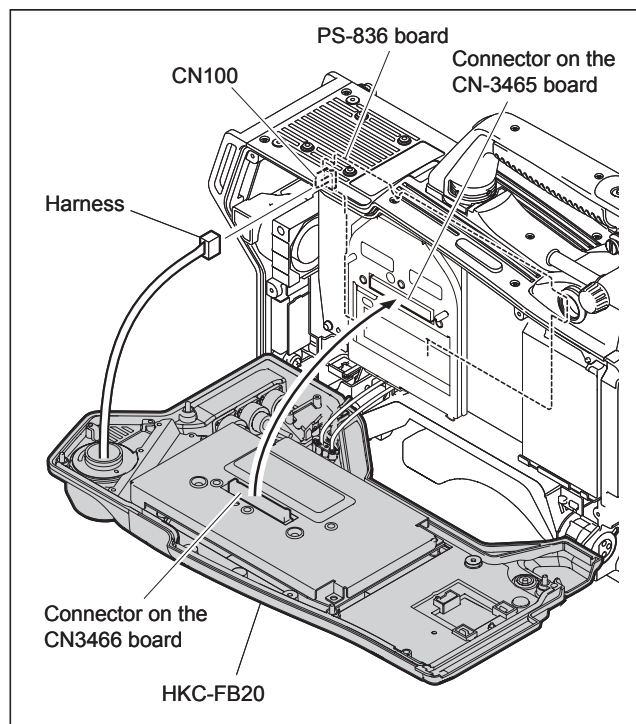
3. Remove the outside panel support from the hook of the main frame and remove the outside panel assembly.



4. Install the outside panel support of the HKC-FB20 to the hook of the main frame.



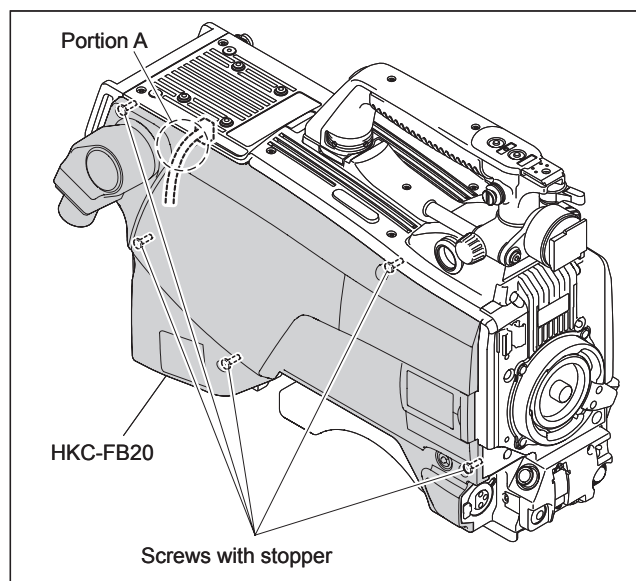
5. Connect the harness to the connector (CN100) on the PS-836 board.
6. Close the HKC-FB20 to connect the connector on the CN-3466 board and the connector on the CN-3465 board.



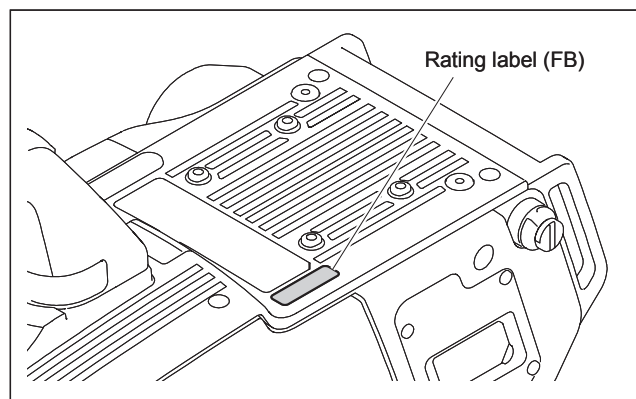
7. Tighten the five screws with stopper to install the HKC-FB20.

Note

When installing the HKC-FB20, be careful so that the harness will not be caught at portion A.



8. Stick the rating label (FB).

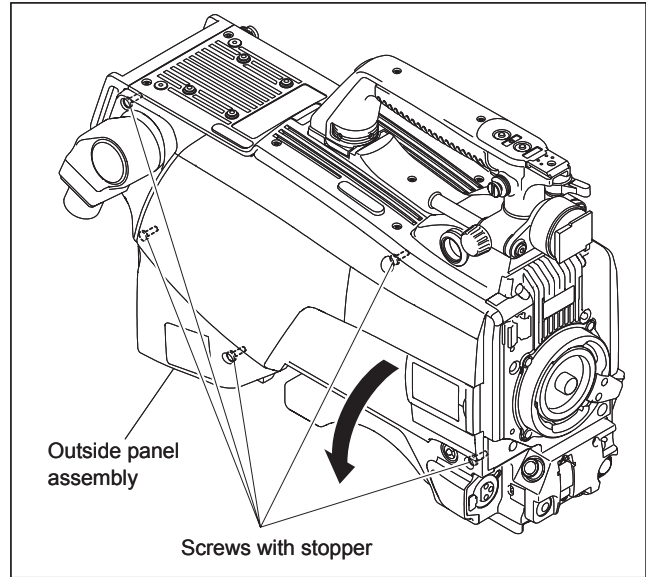


1-3-3. Installing HKC-CN20 to HDC2500/2400

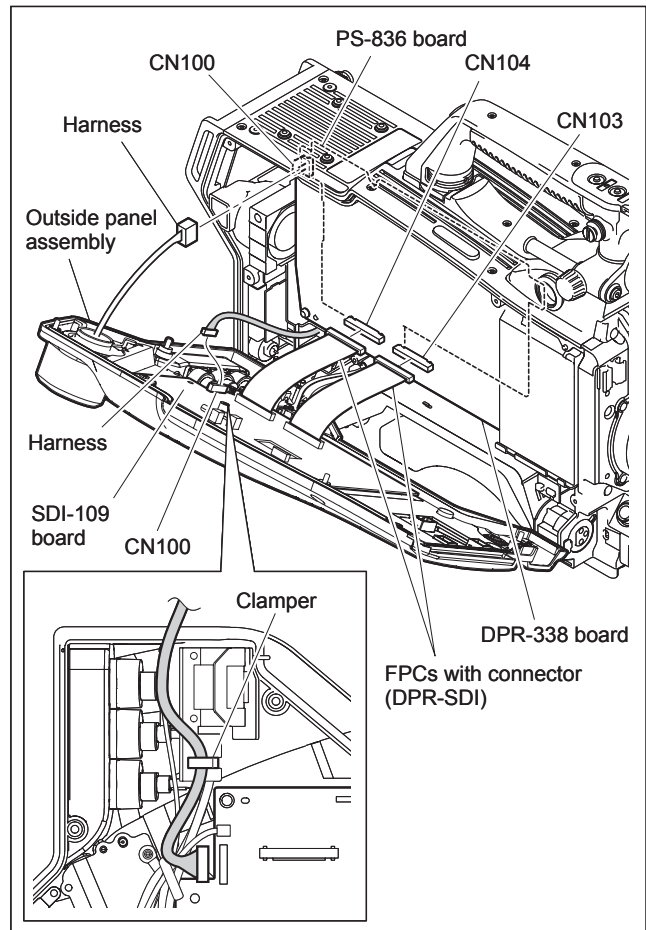
Note

Power off the unit and disconnect the power cord or battery beforehand to avoid damage to the circuit of the unit.

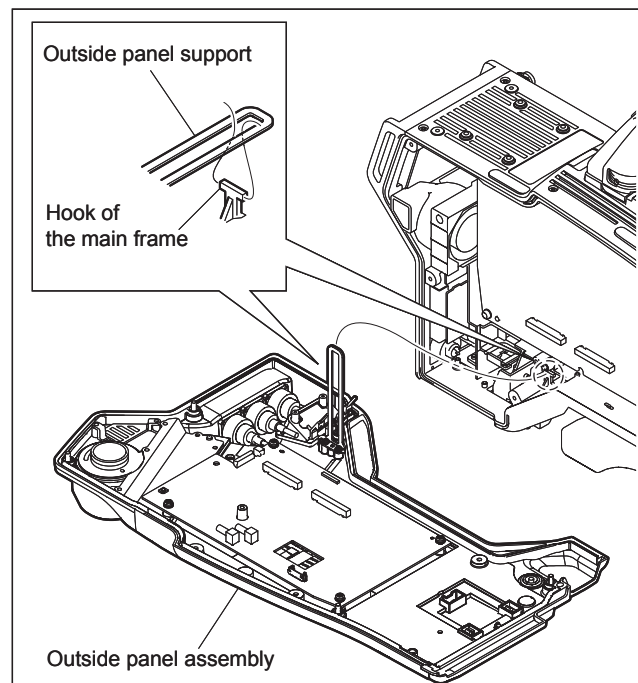
1. Loosen the five screws with stopper to open the outside panel assembly in the direction of arrow.



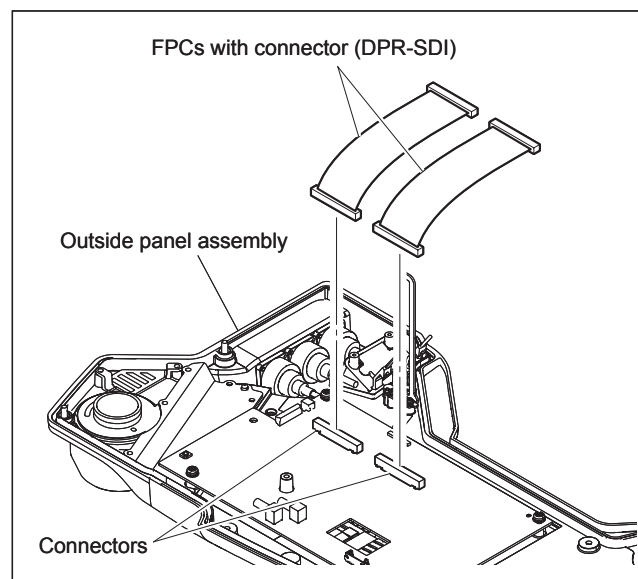
2. Disconnect the harness from the connector (CN100) on the PS-836 board.
3. Open the clamper to remove the harness and disconnect the harness from the connector (CN100) on the SDI-109 board.
4. Close the clamper.
5. Disconnect the two FPCs with connector (DPR-SDI) from the two connectors (CN103, CN104) on the DPR-338 board.



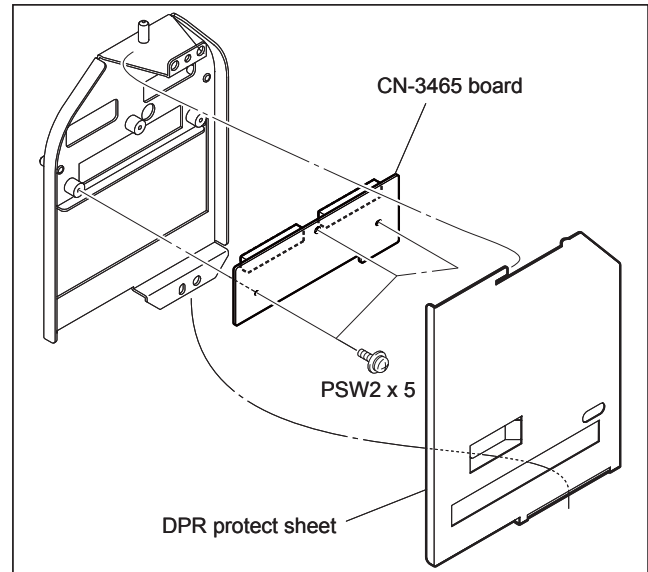
5. Remove the outside panel support from the hook of the main frame and remove the outside panel assembly.



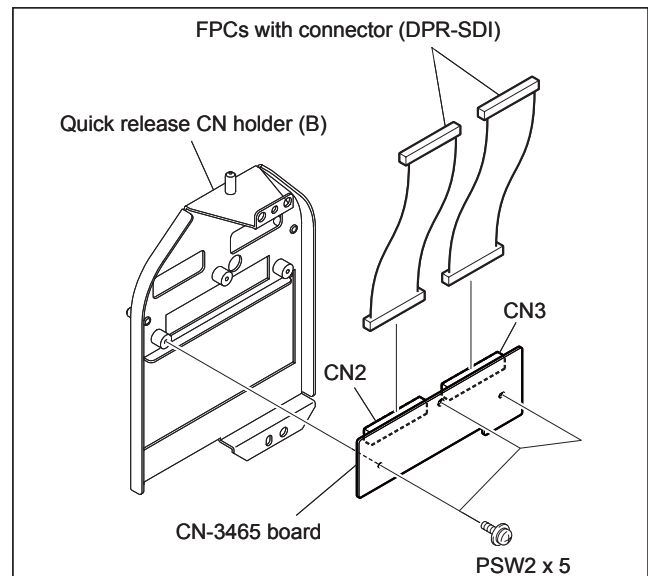
6. Disconnect the two FPCs with connector (DPR-SDI) from the two connectors on the outside panel assembly.



7. Remove the DPR protect sheet from the CN block body in the HKC-CN20.
8. Remove the three screws to detach the CN-3465 board.



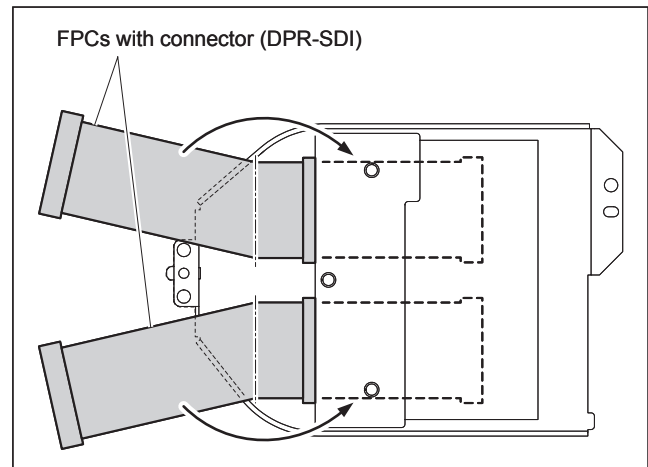
9. Connect the two FPCs with connector (DPR-SDI) disconnected in step 6 to the two connectors (CN2, CN3) on the CN-3465 board.
10. Tighten the three screws to install the CN-3465 board to the quick release CN (B) holder.



11. Gently fold the two FPCs with connector (DPR-SDI) at the positions shown in the figure.

Note

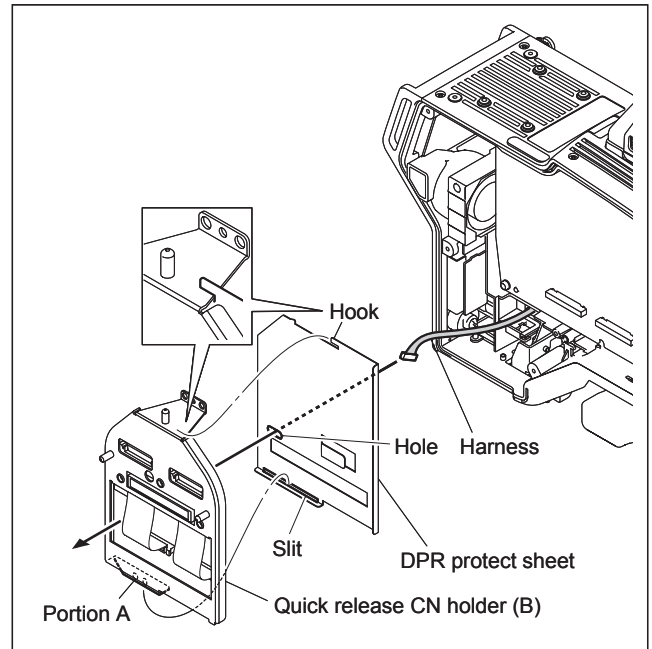
Note that strongly folding the FPC with connector (DPR-SDI) may cause disconnection the FPC.



12. Pass the harness through the hole of the DPR protect sheet, and then attach the DPR protect sheet to the quick release CN (B) holder.

Note

When attaching the DPR protective sheet, insert the portion A of the quick release CN (B) holder into the groove of the DPR protect sheet and hook the DPR protect sheet to the quick release CN (B) holder as shown in the figure.



13. While drawing out the harness, install the quick release CN (B) holder with three screws.

Note

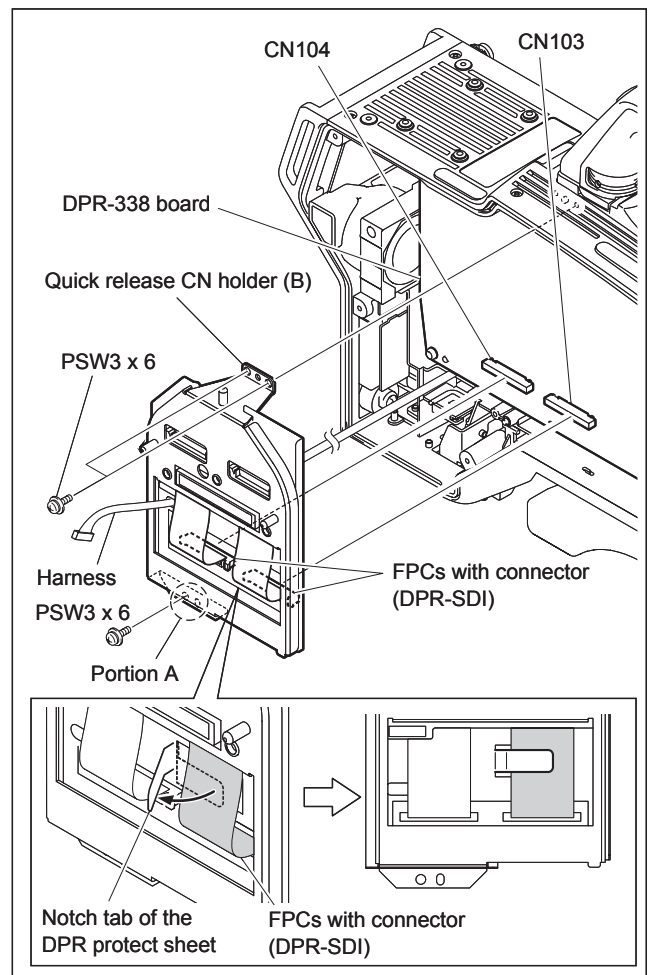
When installing the quick release CN (B) holder, be careful so that the harness will not be caught at portion A.

14. Install the FPCs with connector (DPR-SDI) inside the notch tab of the DPR protect sheet as shown in the figure.

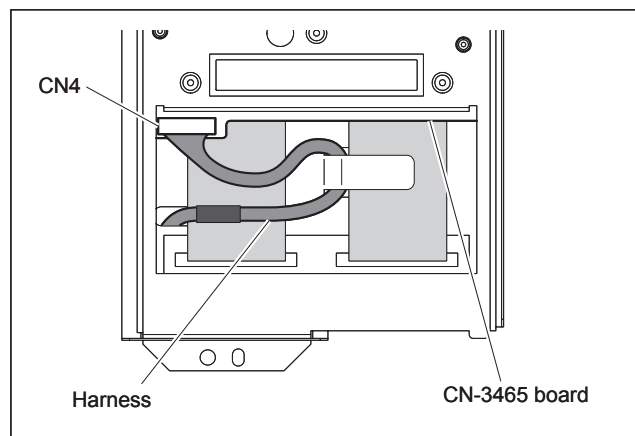
Note

Carefully open the notch tab of the DPR protect sheet because it is likely to be damaged.

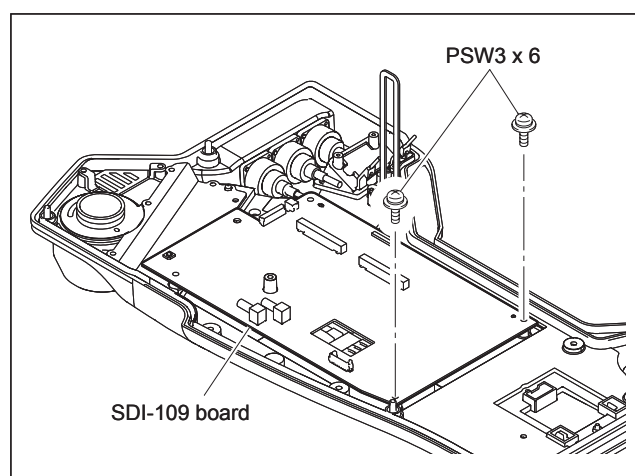
15. Connect the two FPCs with connector (DPR-SDI) to the two connectors (CN103, CN104) on the DPR-338 board.



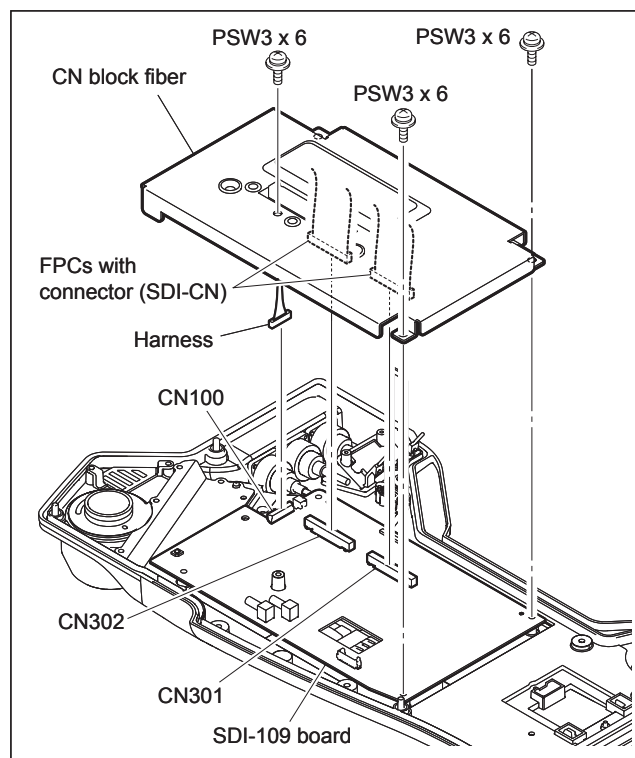
16. Arrange the harness as shown in the figure and connect it to the connector (CN4) on the CN-3465 board.



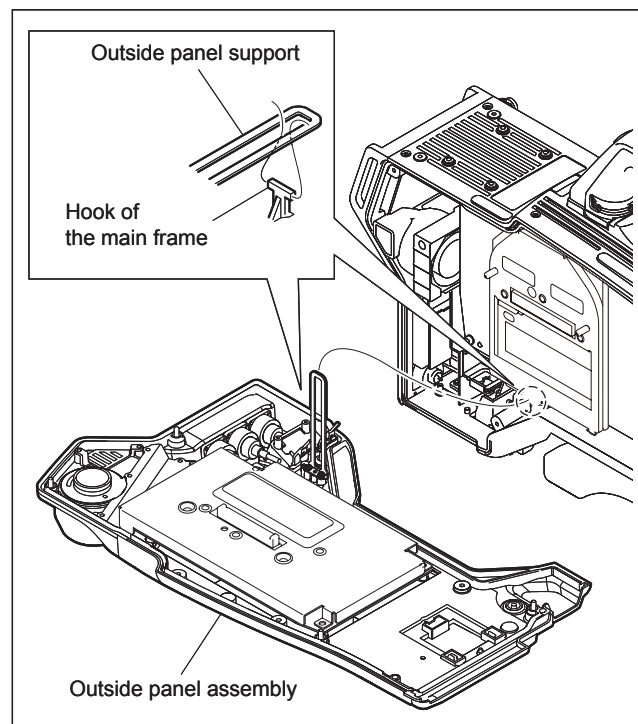
17. Remove the two screws from the SDI-109 board.



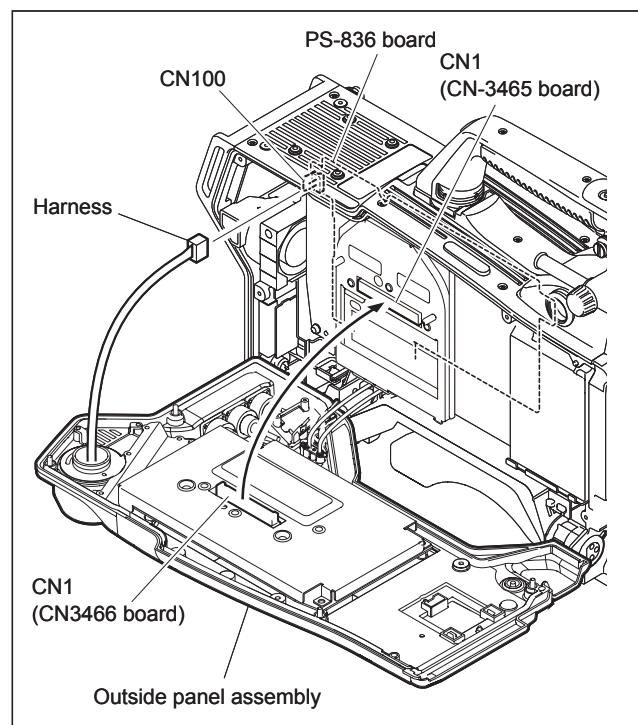
18. Connect the harness to the connector (CN100) on the SDI-109 board.
19. Connect the two FPCs with connector (SDI-CN) to the two connectors (CN301, CN302) on the SDI-109 board.
20. Install the CN block fiber with the two screws removed in step 17 and the supplied screw.



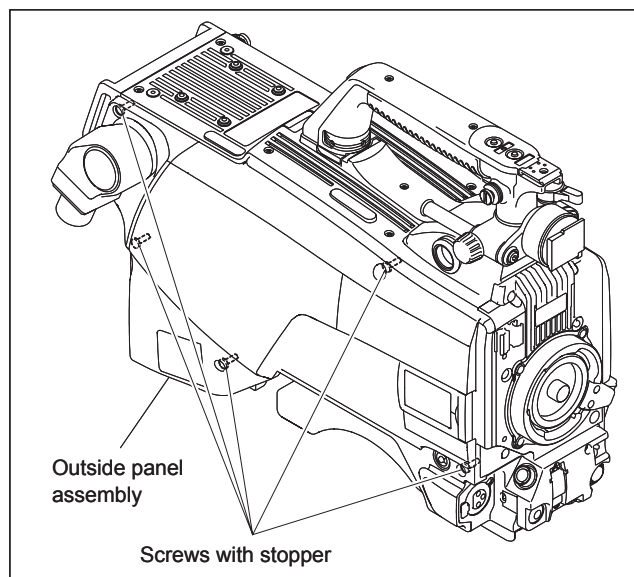
21. Install the outside panel support to the hook of the main frame.



22. Connect the harness to the connector (CN100) on the PS-836 board.
23. Connect the connector (CN1) on the CN-3465 board to the connector (CN1) on the CN-3466 board.



24. Tighten the five screws with stopper to the install the outside panel assembly.

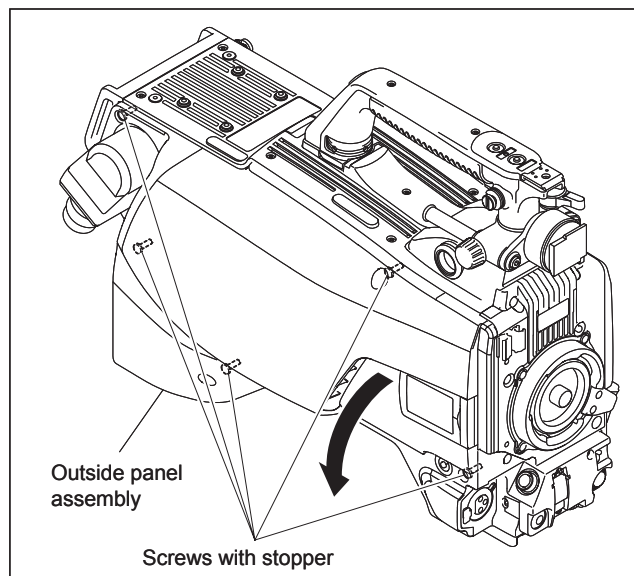


1-3-4. Installing HKC-CN20 to HDC2550

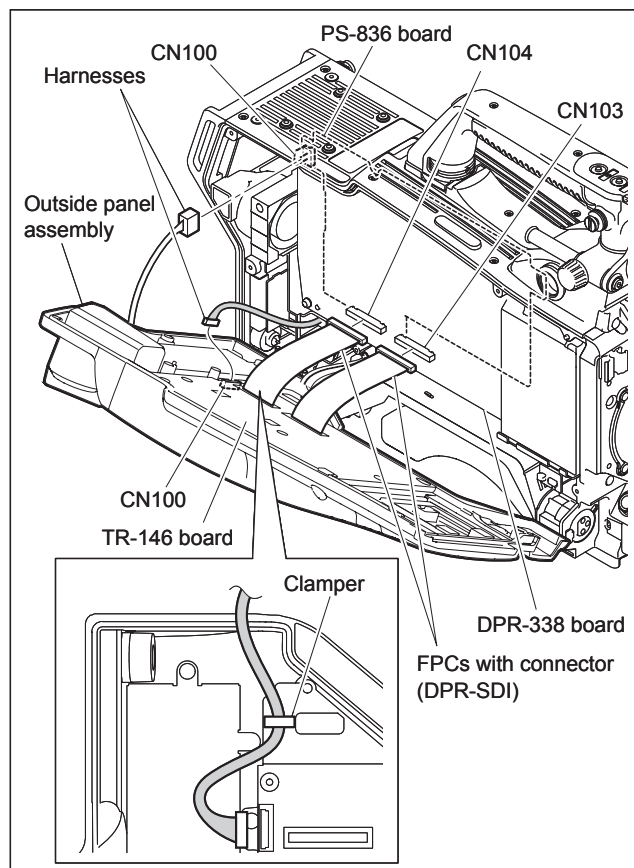
Note

Power off the unit and disconnect the power cord or battery beforehand to avoid damage to the circuit of the unit.

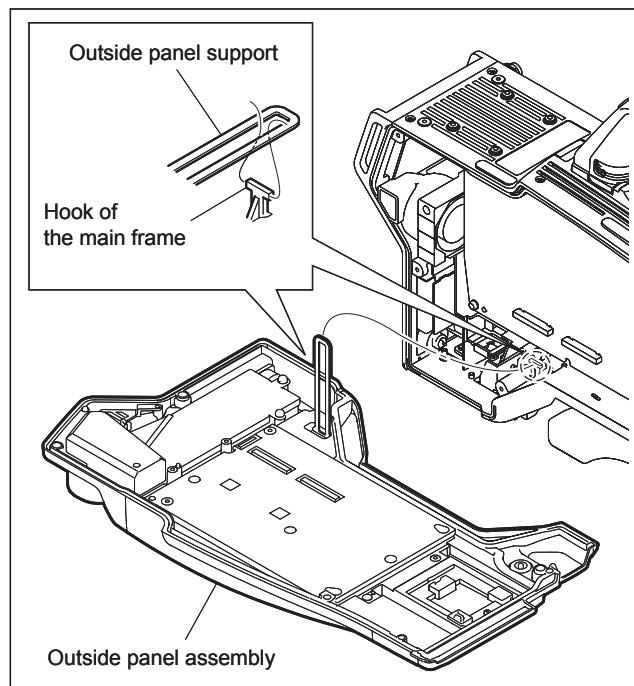
1. Loosen the five screws with stopper to open the outside panel assembly in the direction of arrow.



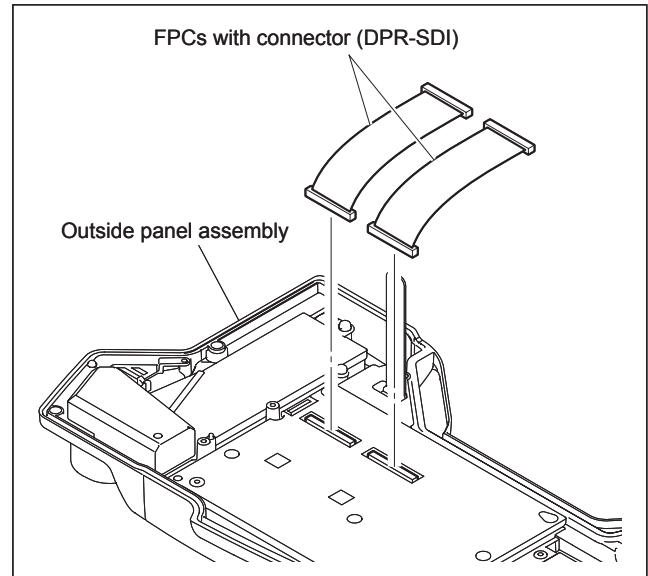
2. Disconnect the harness from the connector (CN100) on the PS-836 board
3. Open the clamper and disconnect the harness from the connector (CN100) on the TR-146 board.
4. Close the clamper.
5. Disconnect the two FPCs with connector (DPR-SDI) from the two connectors (CN103, CN104) on the DPR-338 board.



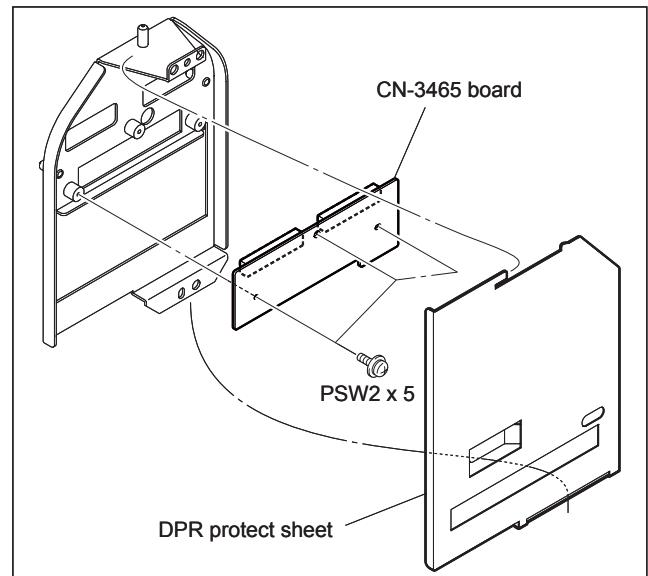
6. Remove the outside panel support from the hook of the main frame and remove the outside panel assembly.



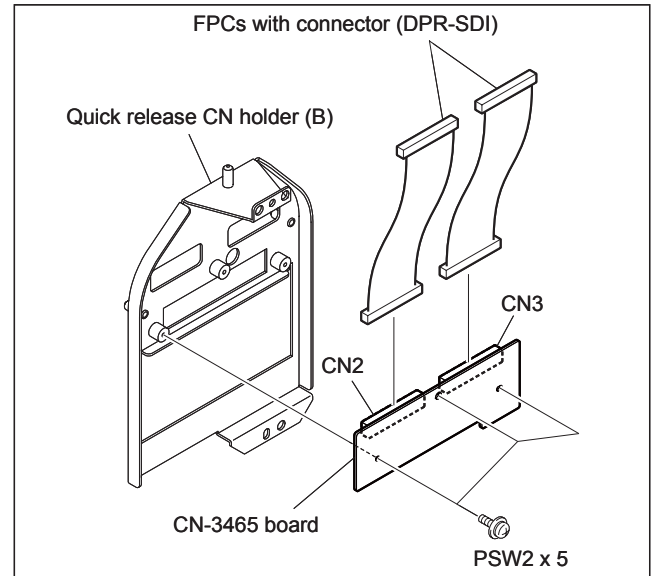
7. Disconnect the two FPCs with connector (DPR-SDI) from the two connectors on the outside panel assembly.



8. Remove the DPR protect sheet from the CN block body in the HKC-CN20.
9. Remove the three screws to detach the CN-3465 board.



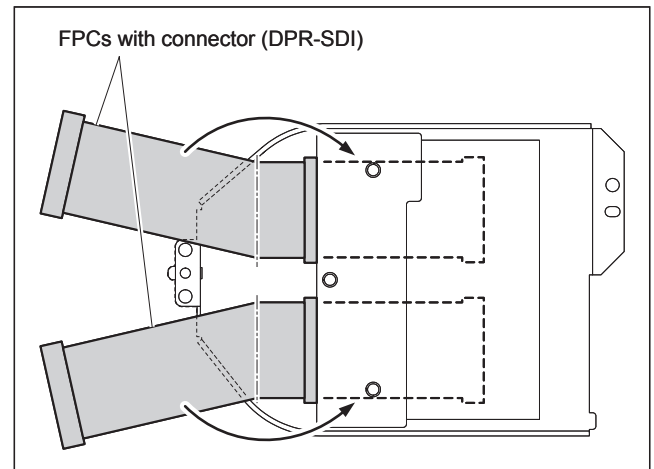
10. Connect the two FPCs with connector (DPR-SDI) disconnected in step 7 to the two connectors (CN2, CN3) on the CN-3465 board.
11. Tighten the three screws to install the CN-3465 board to the quick release CN (B) holder.



12. Gently fold the two FPCs with connector (DPR-SDI) at the positions shown in the figure.

Note

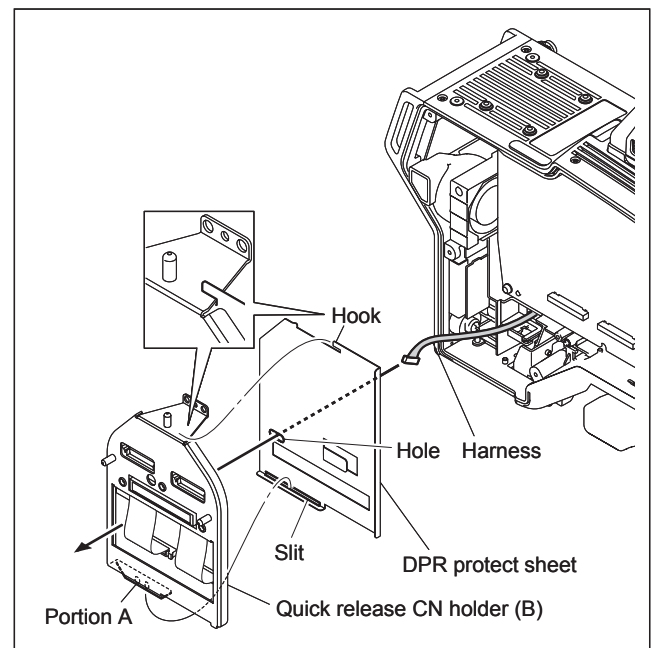
Note that strongly folding the FPC with connector (DPR-SDI) may cause disconnection the FPC.



13. Pass the harness through the hole of the DPR protect sheet, and then attach the DPR protect sheet to the quick release CN (B) holder.

Note

When attaching the DPR protective sheet, insert the portion A of the quick release CN (B) holder into the groove of the DPR protect sheet and hook the DPR protect sheet to the quick release CN (B) holder as shown in the figure.



14. While drawing out the harness, install the quick release CN (B) holder with three screws.

Note

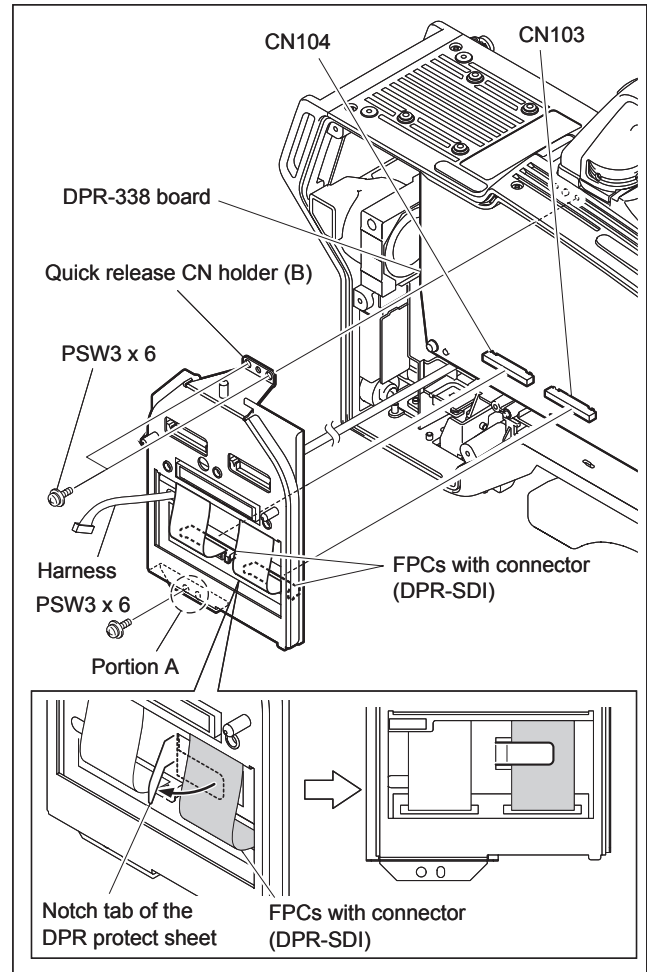
When installing the quick release CN (B) holder, be careful so that the harness will not be caught at portion A.

15. Install the FPCs with connector (DPR-SDI) inside the notch tab of the DPR protect sheet as shown in the figure.

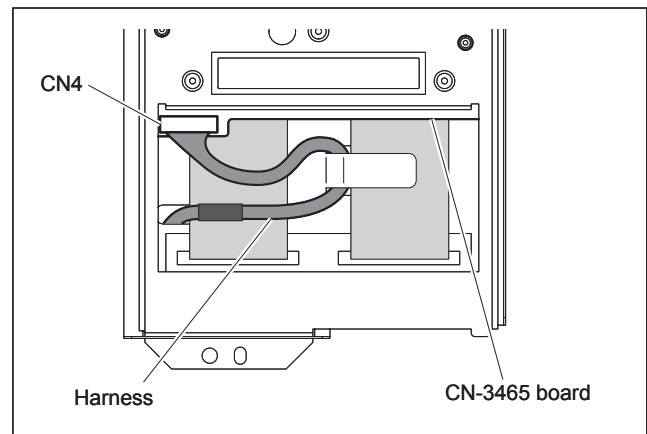
Note

Carefully open the notch tab of the DPR protect sheet because it is likely to be damaged.

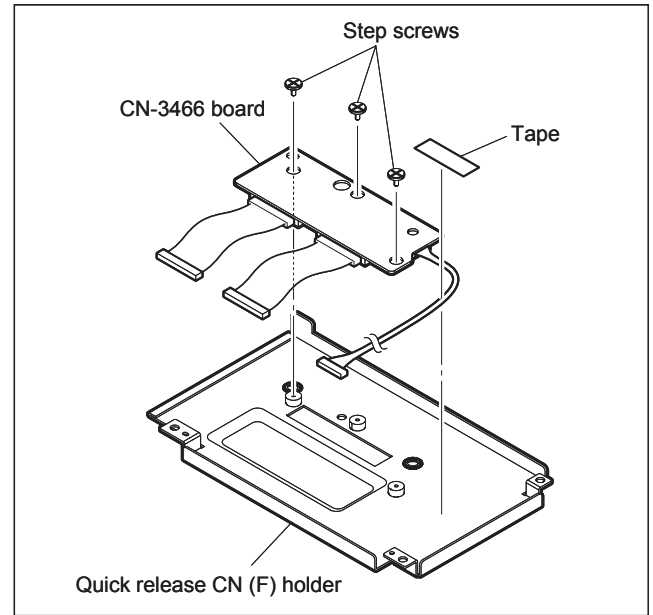
16. Connect the two FPCs with connector (DPR-SDI) to the two connectors (CN103, CN104) on the DPR-338 board.



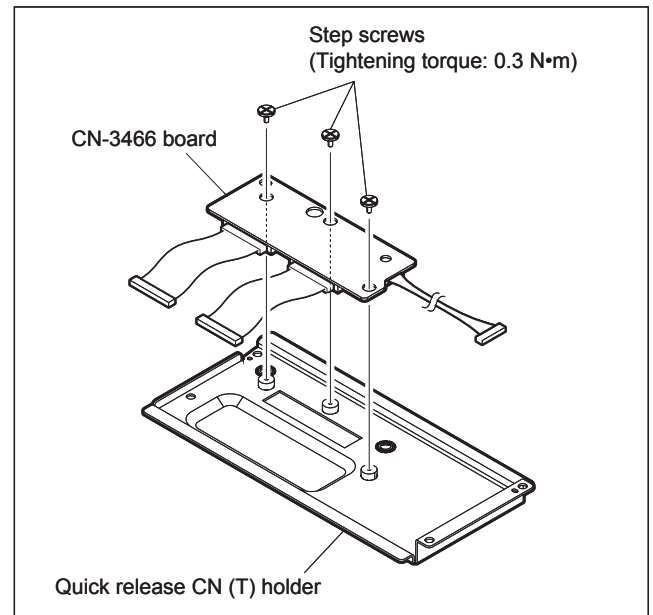
17. Arrange the harness as shown in the figure and connect it to the connector (CN4) on the CN-3465 board.



18. Remove the tape that clamps the harness from the quick release CN (F) holder of the HKC-CN20.
19. Remove the three step screws to detach the CN-3466 board from the quick release CN (F) holder.



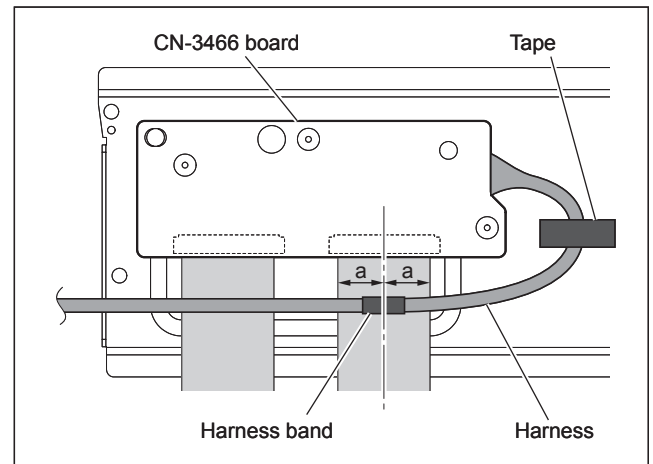
20. Tighten the three step screws to install the CN-3466 board to the quick release CN (T) holder.



21. Arrange the harness as shown in the figure and stick the attached tape.

Note

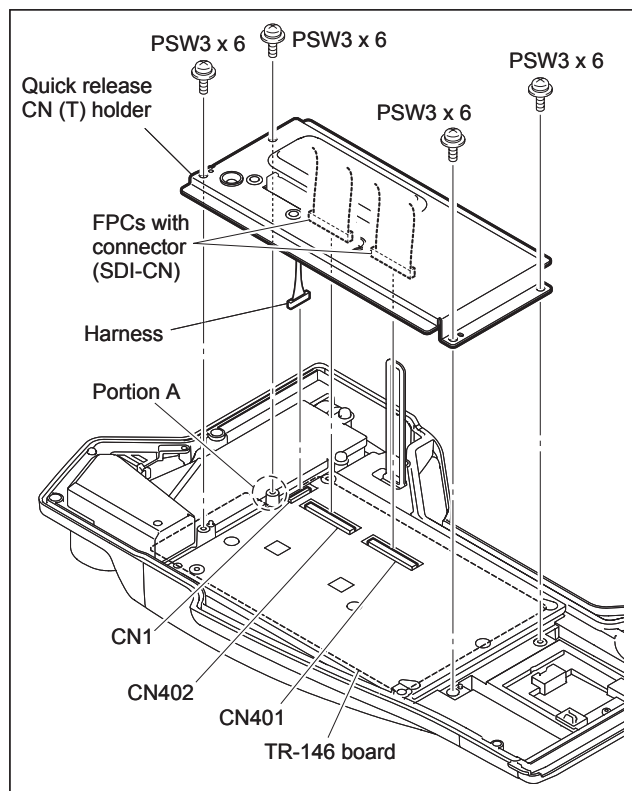
Move the CN-3466 board and confirm that it moves smoothly with no load on the harness.



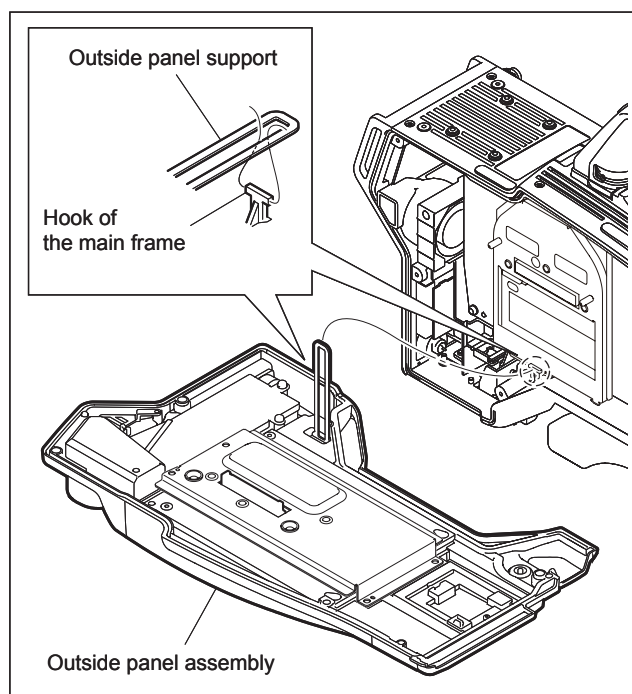
22. Connect the harness to the connector (CN1) on the TR-146 board.
23. Connect the two FPCs with connector (SDI-CN) to the two connectors (CN401, CN402) on the TR-146 board.
24. Tighten the four screws to install the quick release CN (T) holder.

Note

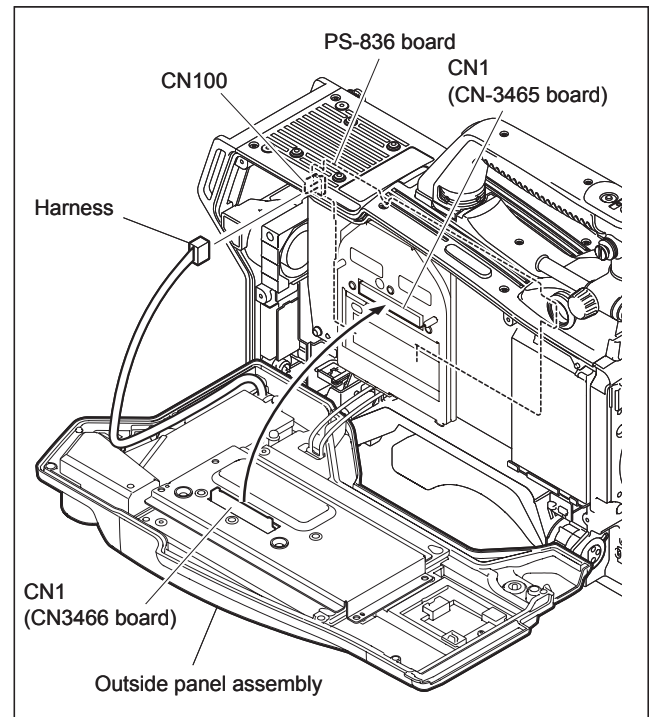
When installing the quick release CN (T) holder, be careful so that the harness will not be caught at portion A.



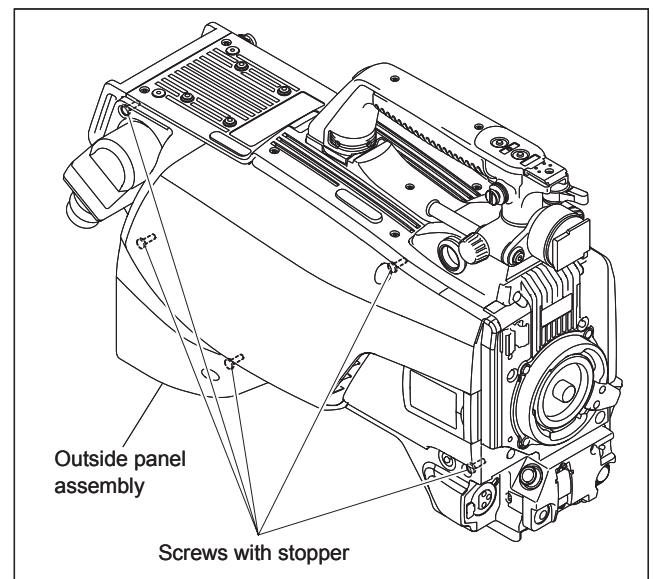
25. Install the outside panel support to the hook of the main frame.



26. Connect the harness to the connector (CN100) on the PS-836 board.
27. Connect the connector (CN1) of the CN-3465 board to the connector (CN1) of the CN-3466 board.



28. Tighten the five screws with stopper to install the outside panel assembly.



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