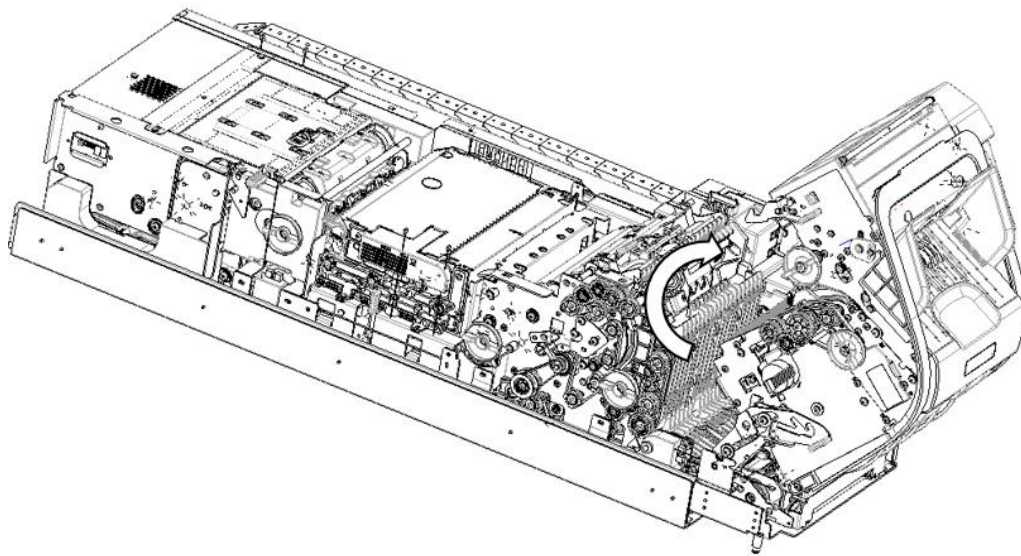


Bill Recycle Module

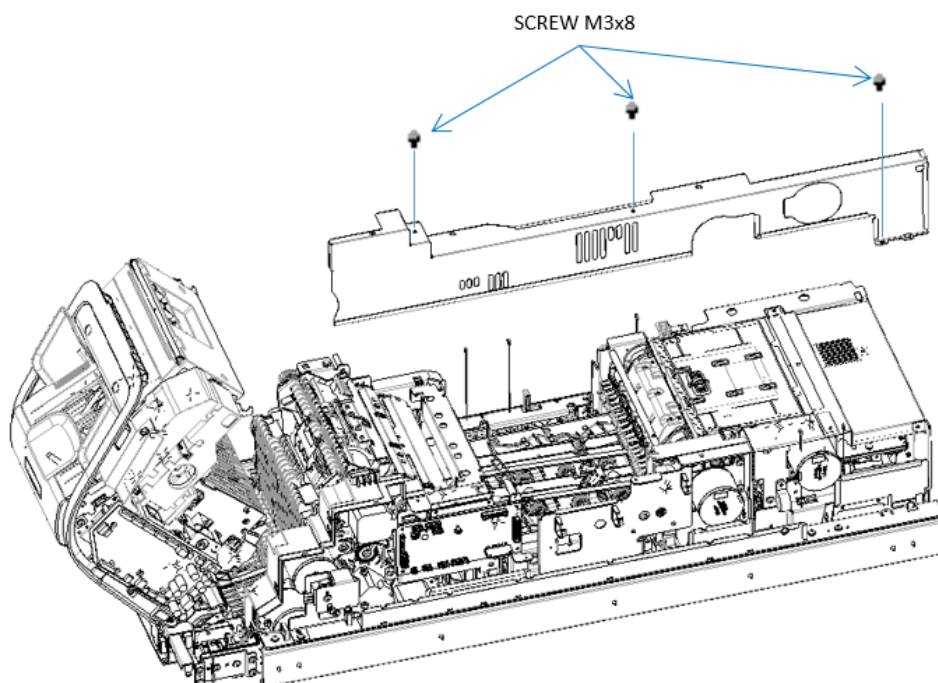
Replacing the option module

► Replacing the option module

1. Release the CSM Lock Lever and open the CSM.



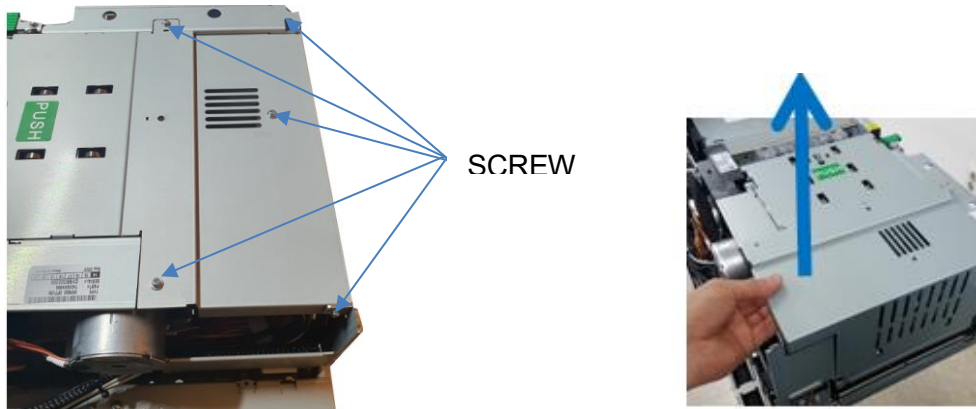
2. Unfasten the screw fixing BMU (upper module) Module Cover and disassemble the cover.



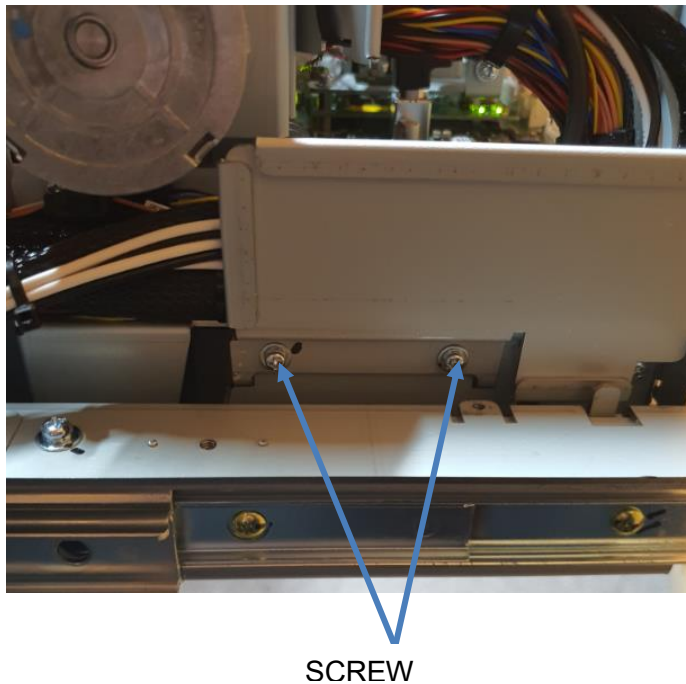
Bill Recycle Module

3. Disassemble

3-1. Unfasten the screw fixing Option Module Cover and disassemble the cover.

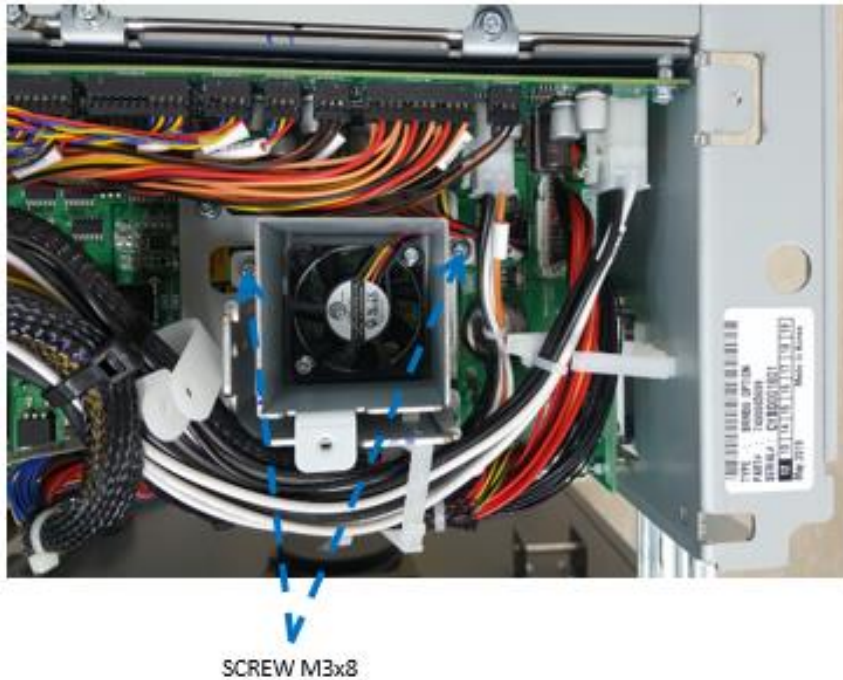


3-2. Unfasten the screw fixing BRKT Chain



Bill Recycle Module

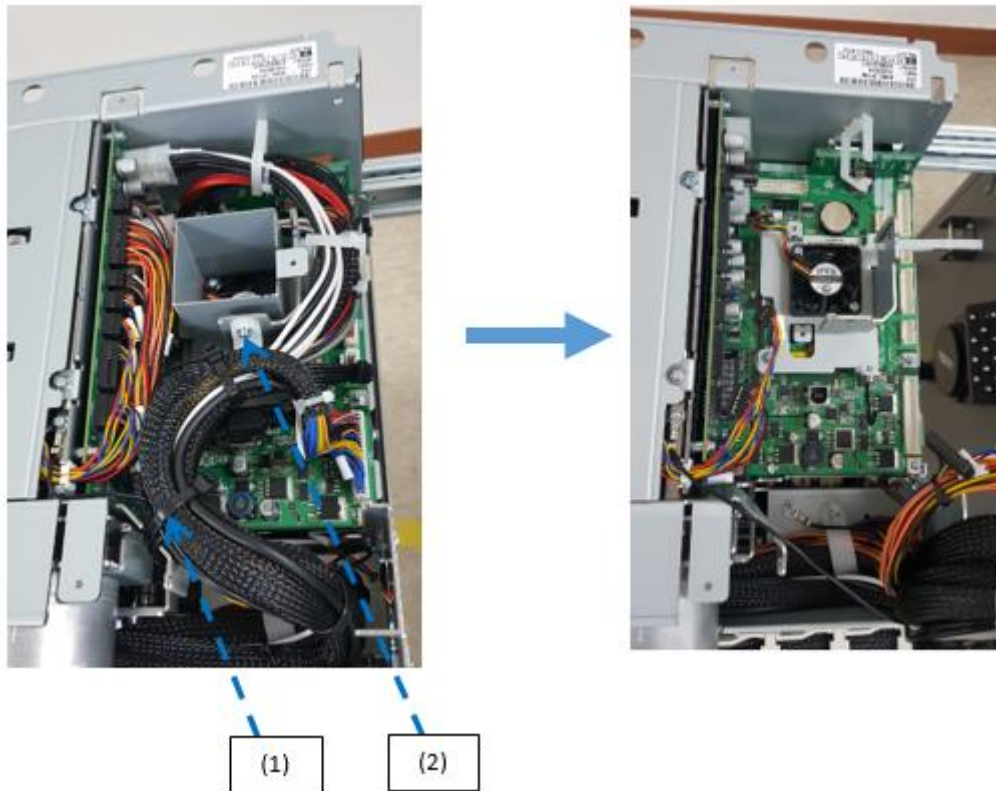
3-3.. Unfasten the screw fixing BRKT_AIR_PATH



3-4. Disassemble all CABLE connectors from the board first. (except CN39 FAN)

- (1) Cut the Cable Tie.
- (2) Loosen the SCREW M3x8 fixing 33640301_CLAMP.

Bill Recycle Module



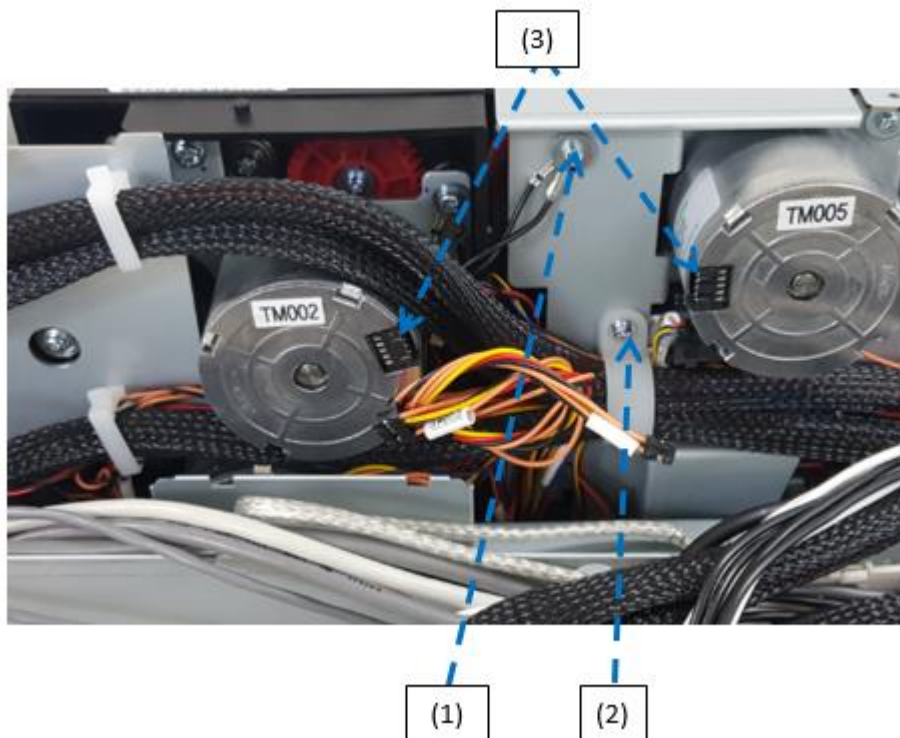
3-5.. Unfasten the screw fixing FG-Cables (2ea) and Clamp (1ea)



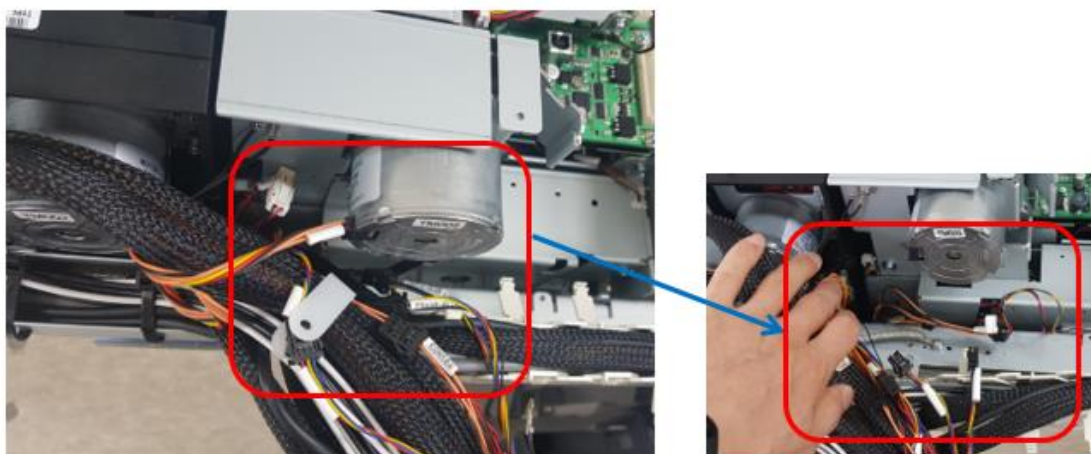
3-6.

- (1) Unfasten the screw fixing FG-Cables (2ea) : SCREW M3X8
- (2) Unfasten the screw fixing Clamp : CLAMP
- (3) Disassemble the connection cables (TM002, TM005)

Bill Recycle Module

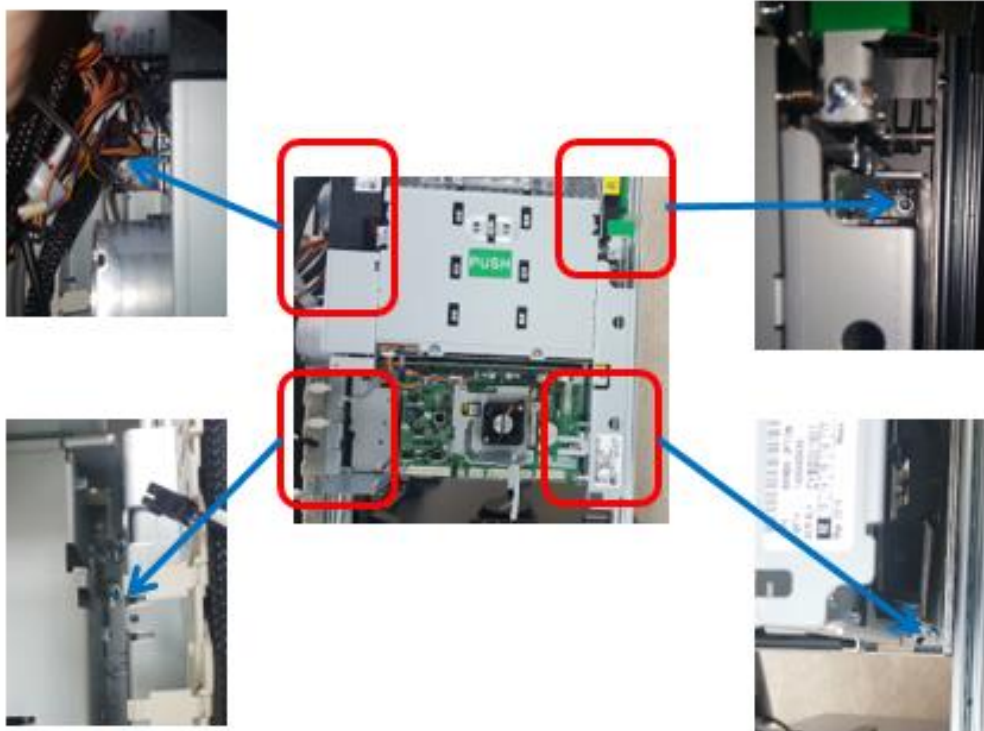


3-7. Disassemble the intermediate connector of the indicating scope. (4ea)
(Intermediate connector : TS005-PLUG, TS012-PLUG, CON58A, TL008)

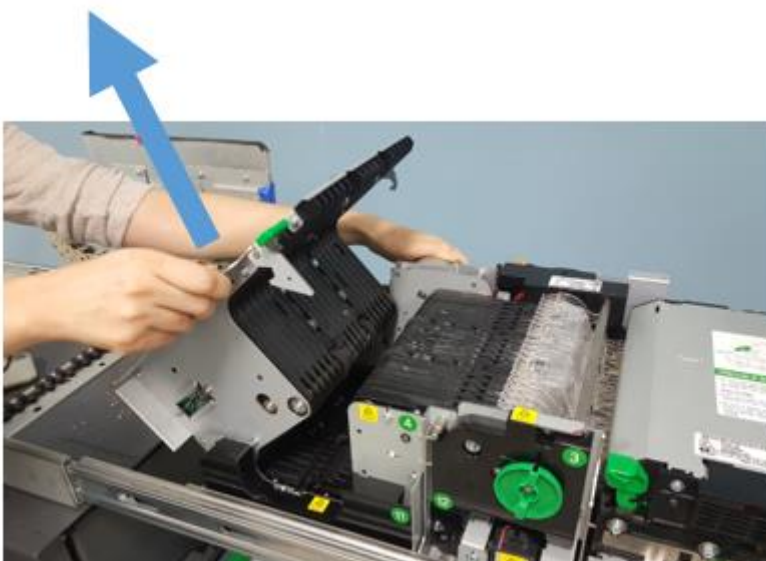


Bill Recycle Module

3-8. Unfasten the screw fixing Assy Option : SCREW M4x8 (4ea)

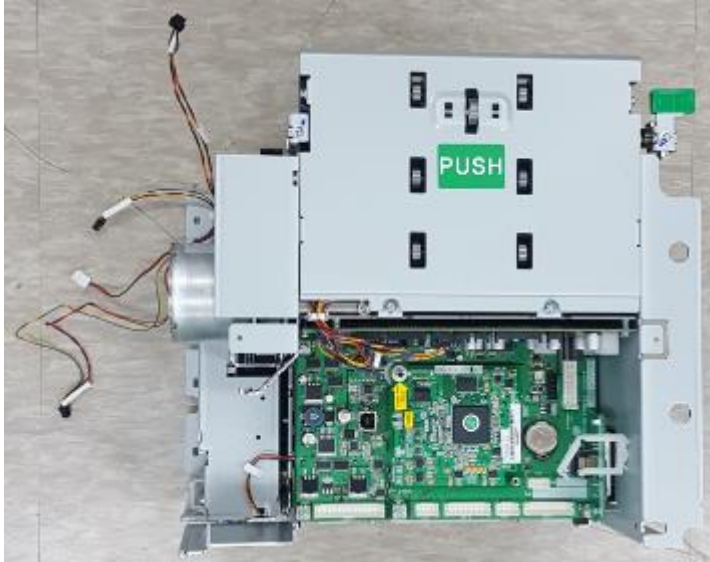


3-9. Open the upper section of option module and disassemble it in the direction of arrow.



Bill Recycle Module

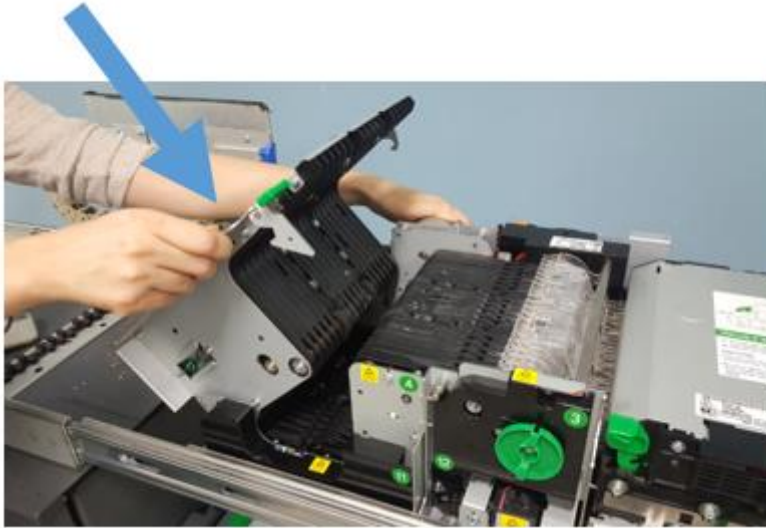
3-10. ASSY OPTION



Bill Recycle Module

4. Assemble

4-1. Assemble the Assy Option on BMU.



4-2. Assemble the intermediate connector of the indicating scope. (4ea)

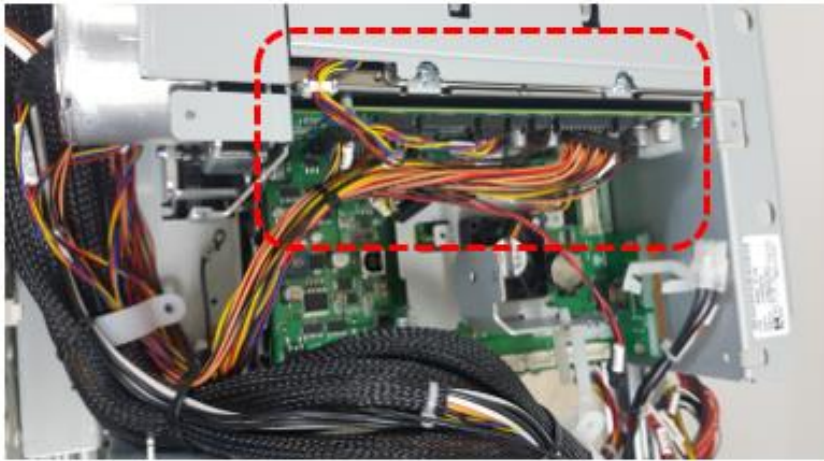
(intermediate connector : TS005-PLUG, TS012-PLUG, CON58A, TL008)



Bill Recycle Module

4-3. Assemble the connector of the indicating scope first.

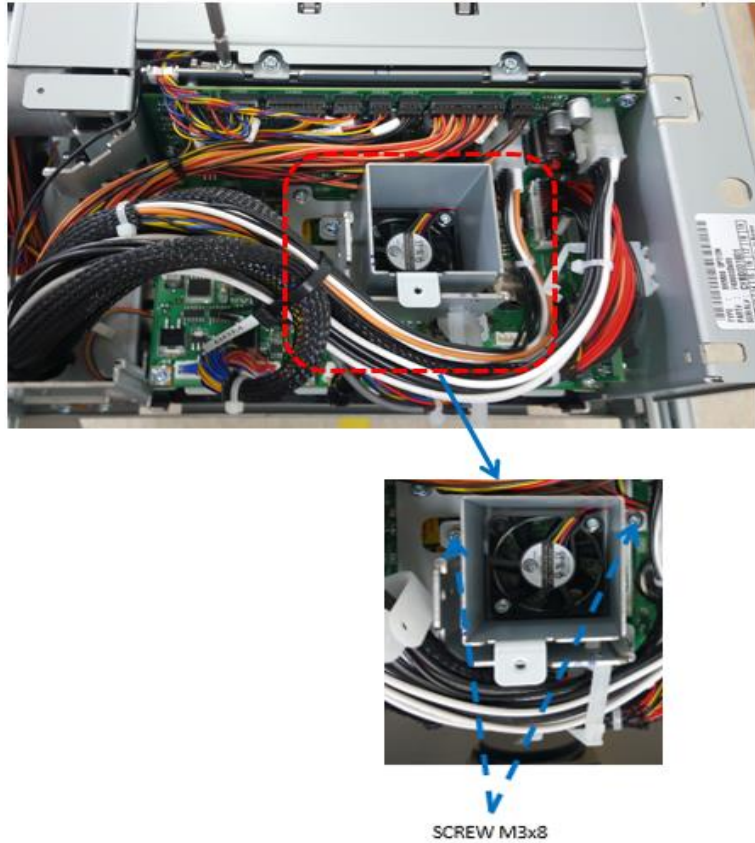
CONNECTOR : CN27, CN55, CN56, CN57, CN32, CN17, CN15, CN58, CN34
(Refer to "5-10" for the assembling position of board connector)



4-4. Assemble the other connector (9ea) and fix the BRKT_AIR_PATH using SCREW.

CONNECTOR : FRT1, FRT2, CN7, CN19, CN5, CN3 (USB), CN22, CN9 (MAIN PWR)
CN10 (CSM PWR)
(Refer to "5-10" for the assembling position of board connector)

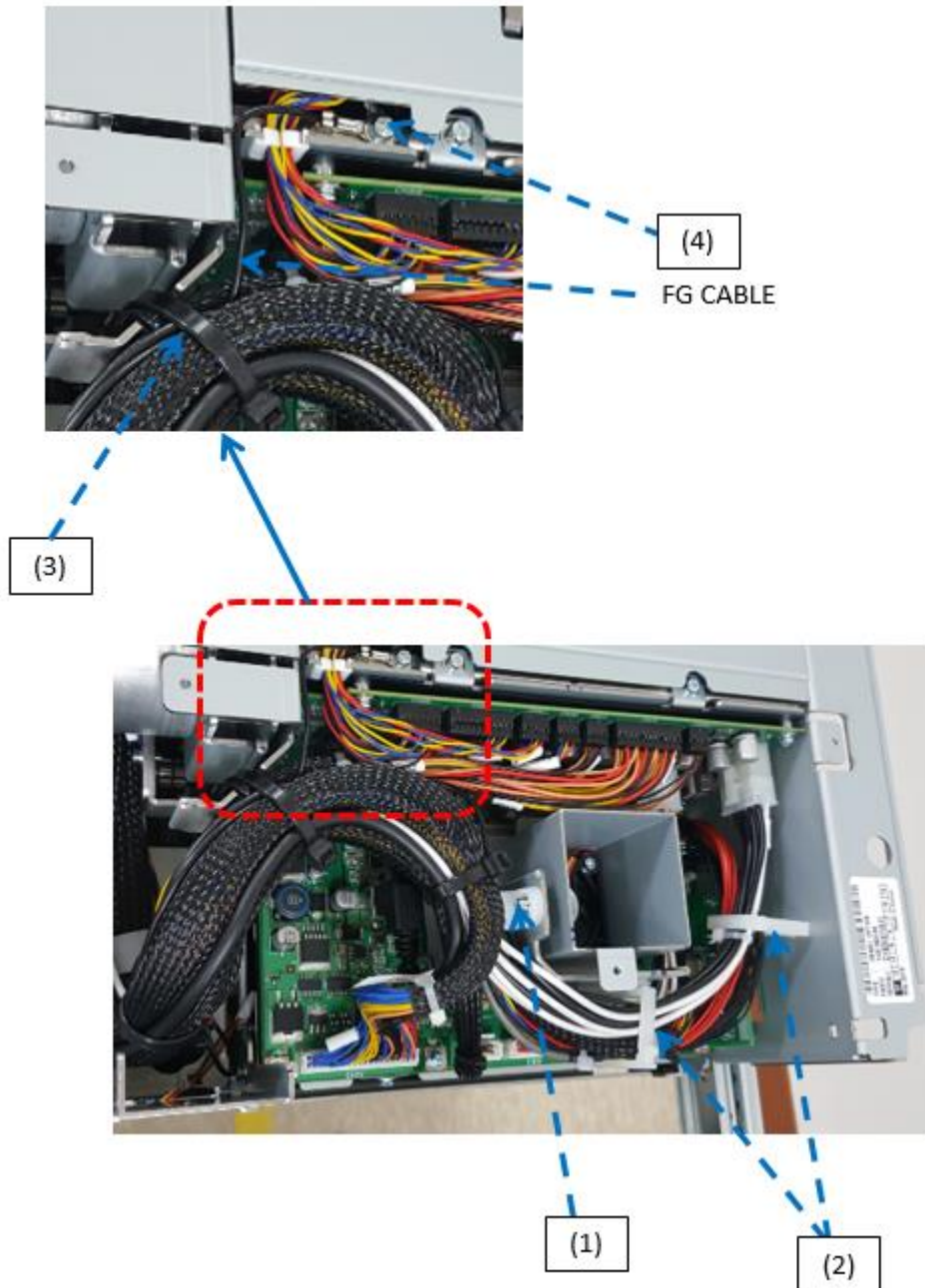
Bill Recycle Module



4-5.

- (1) Insert the CABLE into the 33640301_CLAMP and fix it with the SCREW.
except SYSTEM CABLE : CN9 MAIN PWR, CN3 USB, CN5 RBU Communication
CN22 TRANSIT CST
- (2) Arrange the CABLE and close the CLAMP.
- (3) Lash all cables to the indicating BRKT with the CABLE TIE.
- (4) Fix the FG-CABLE with the SCREW. (except star washer)

Bill Recycle Module



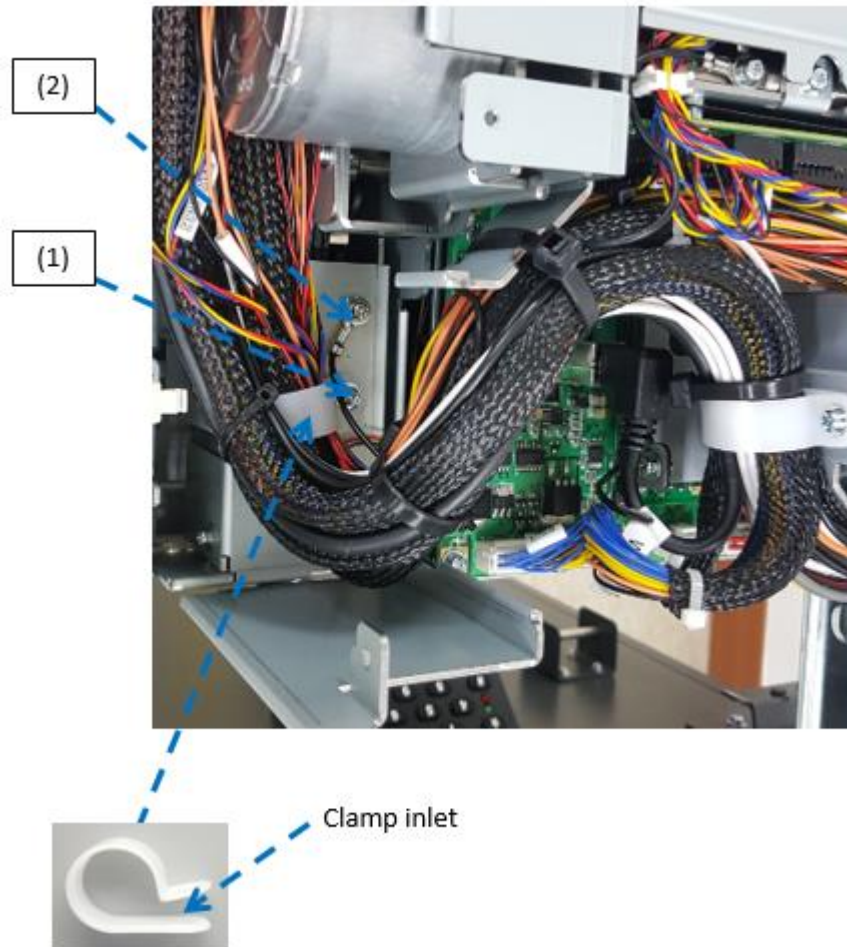
Bill Recycle Module

4-6.

- (1) Insert the CABLE into the CLAMP and fix it with the SCREW.
except SYSTEM CABLE : CN9 MAIN PWR, CN3 USB, CN5 RBU Communication
CN22 TRANSIT CST

* Caution : The cable must not be jammed in the Clamp inlet.

- (2) Fix the FG-CABLE with the SCREW.

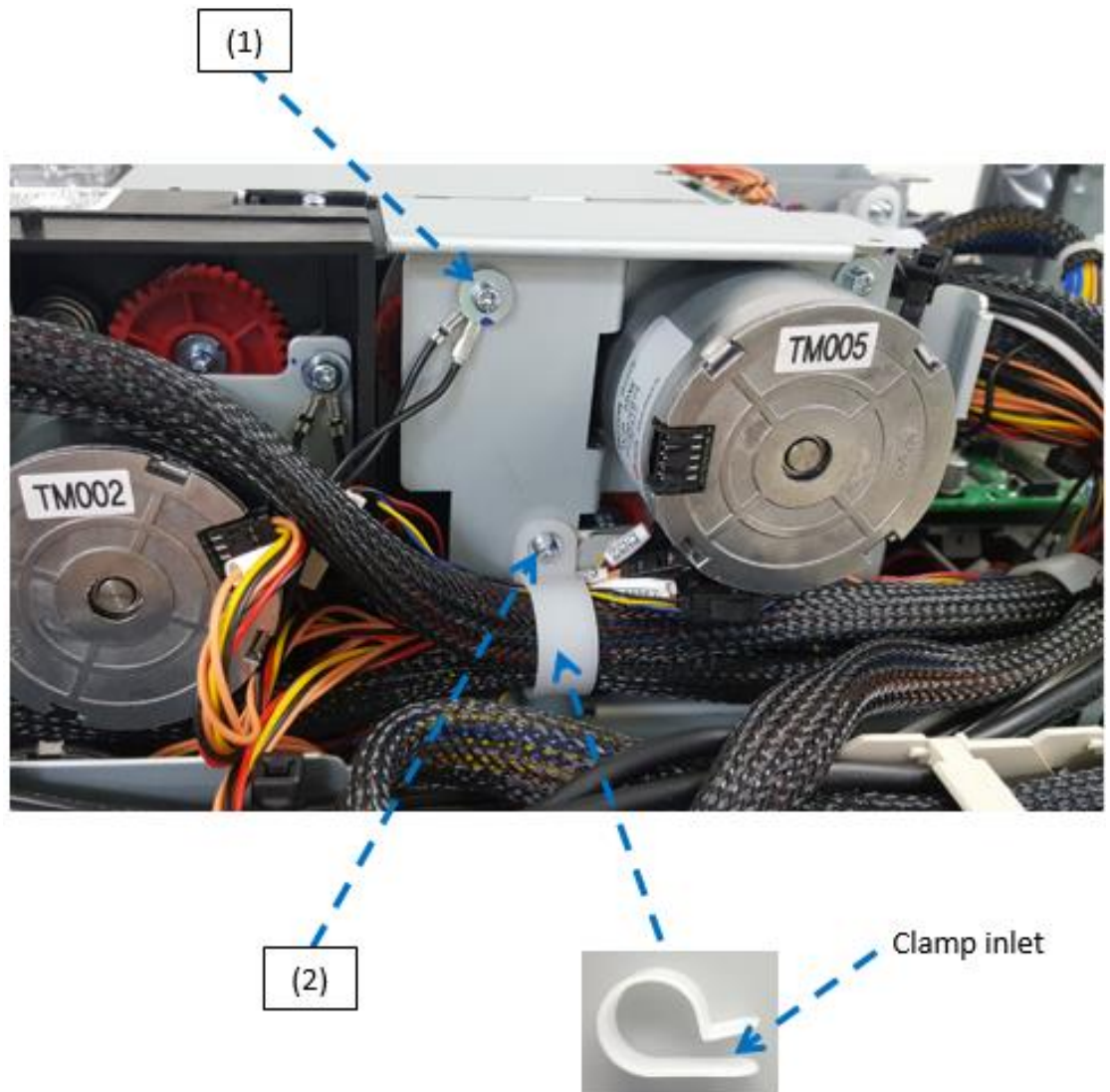


Bill Recycle Module

4-7.

- (1) Fix the FG-CABLE (2ea) with the SCREW M3x8.
- (2) Insert the CABLE into the CLAMP and fasten it with the SCREW.
except SYSTEM CABLE : CN9 MAIN PWR, CN3 USB, CN5 RBU Communication
CN22 TRANSIT CST

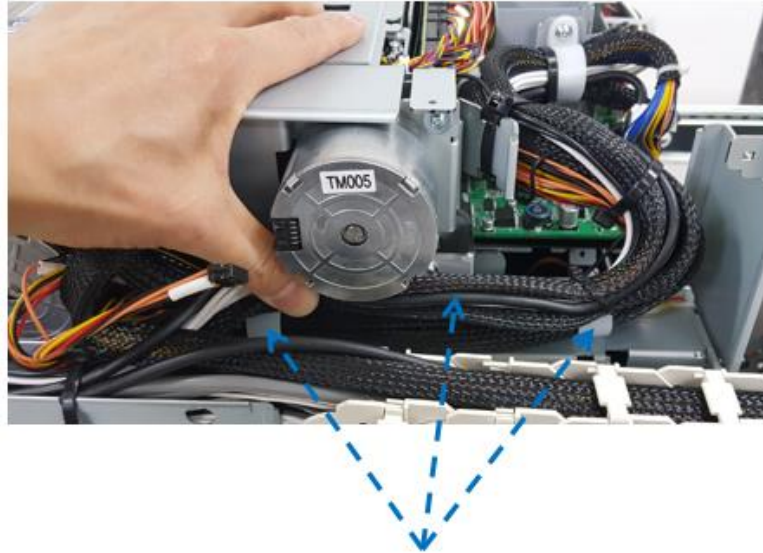
* Caution : The cable must not be jammed in the Clamp inlet.



Bill Recycle Module

4-8. Arrange 4 types of SYSTEM CABLE over the indicating CLAMP.

* SYSTEM CABLE : CN9 MAIN PWR, CN3 USB, CN5 RBU Communication
CN22 TRANSIT CST.



4-9. Arrange the CABLE between TM002 and TM005.

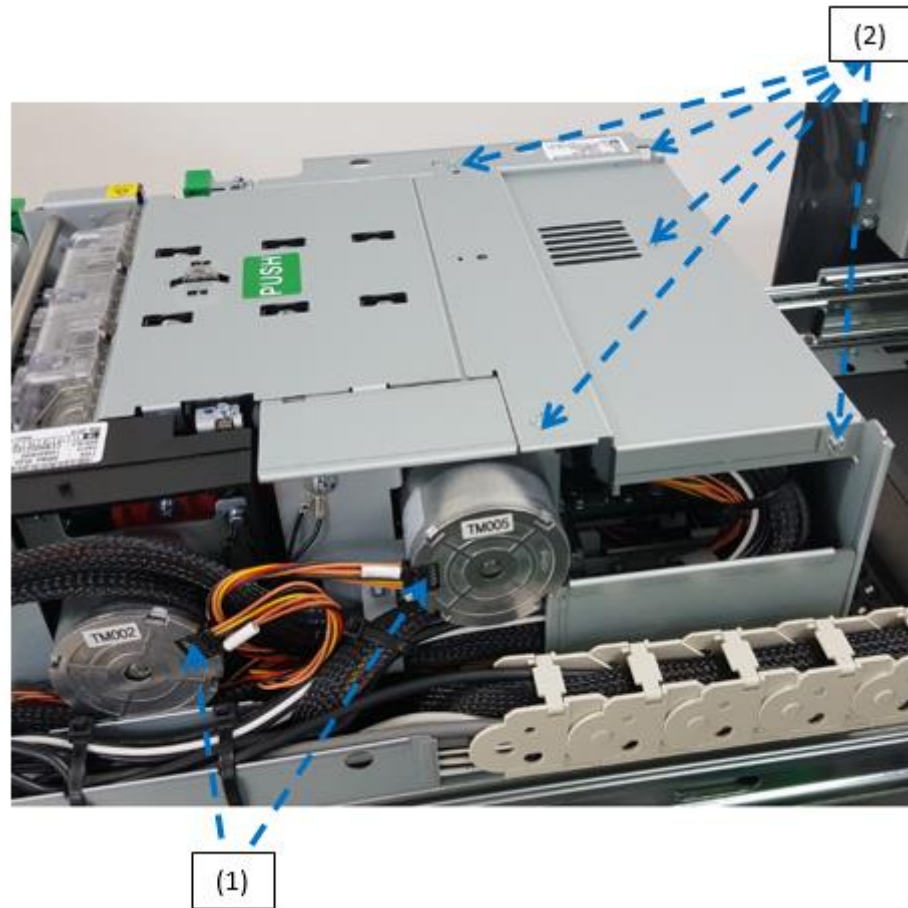
(1) Fix the BRKT Chain with the SCEW M3x8.



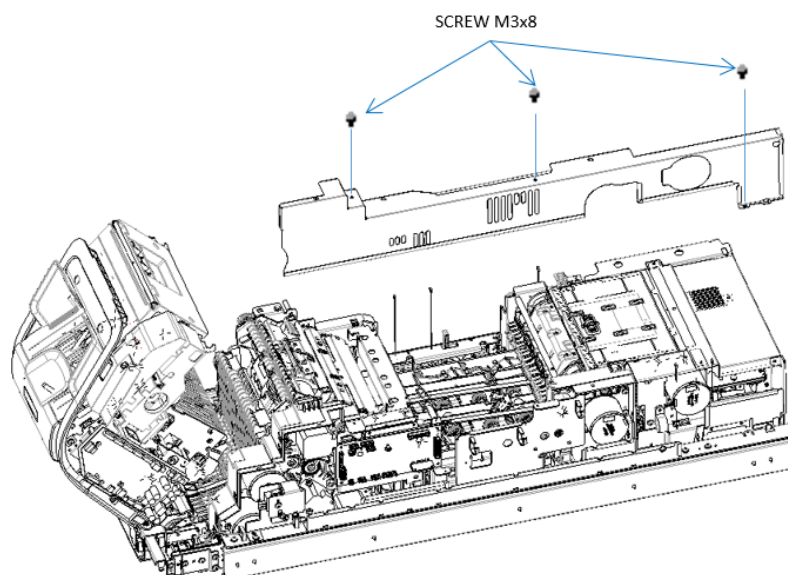
Bill Recycle Module

4-10.

- (1) Fasten the connector TM005 and TM002.
- (2) Fix the Cover Option with the SCREW M3x8 (5ea).



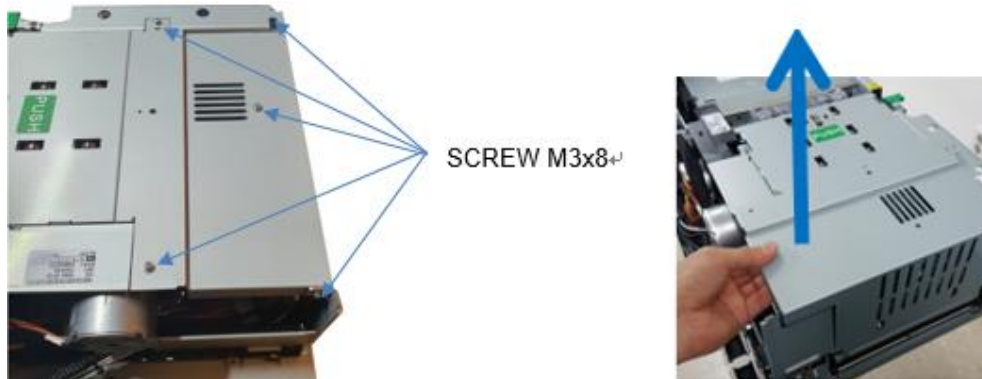
4-11. Fix the COVER MAIN with the SCREW (3ea)



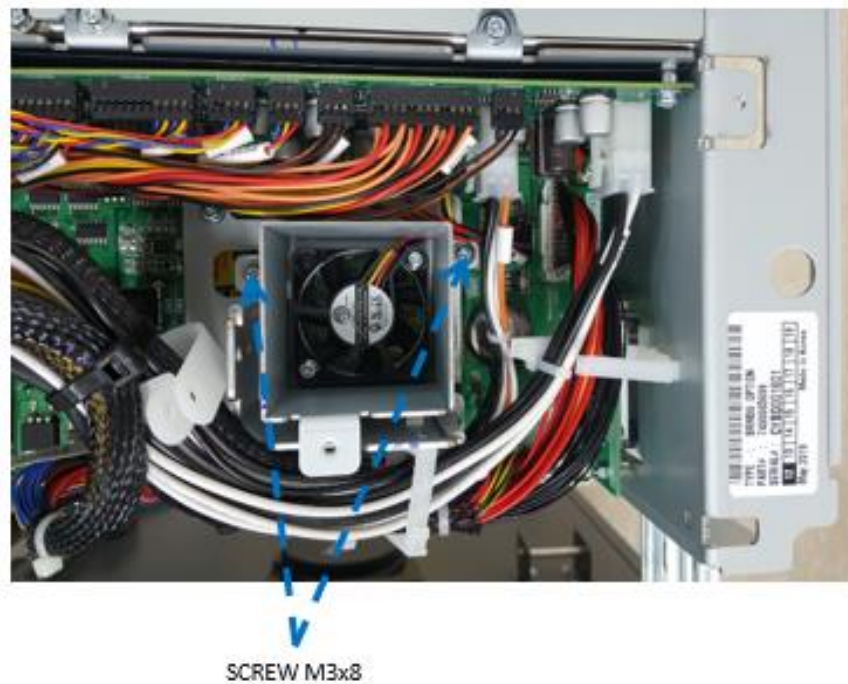
Bill Recycle Module

5. Disassembling and Assembling the MAIN BOARD

5-1. Loosen the SCREW (5ea) and disassemble the COVER OPTION.



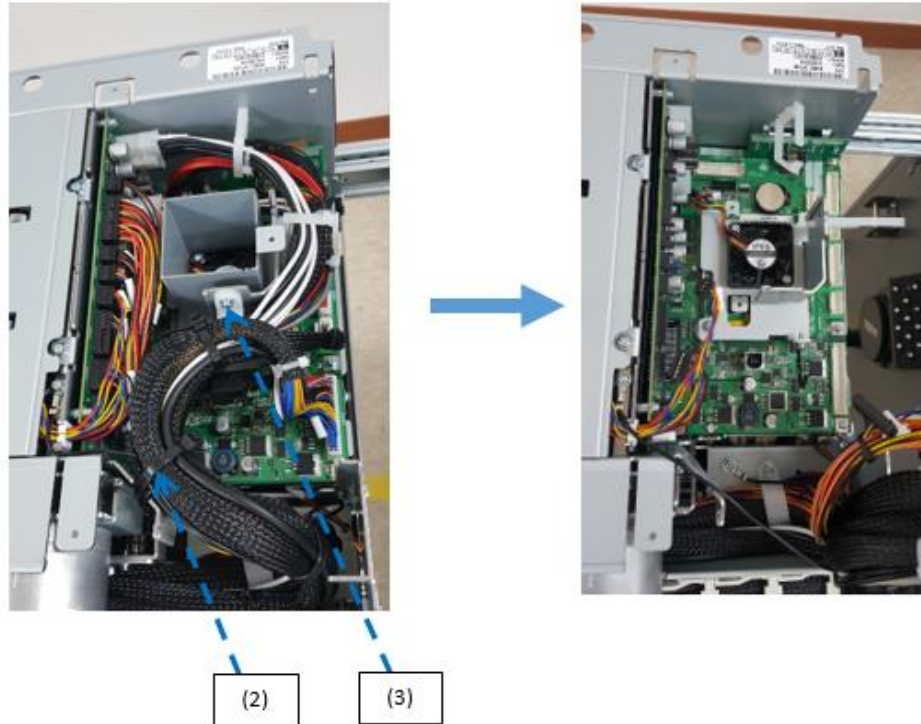
5-2. Unfasten the screw fixing BRKT_AIR_PATH



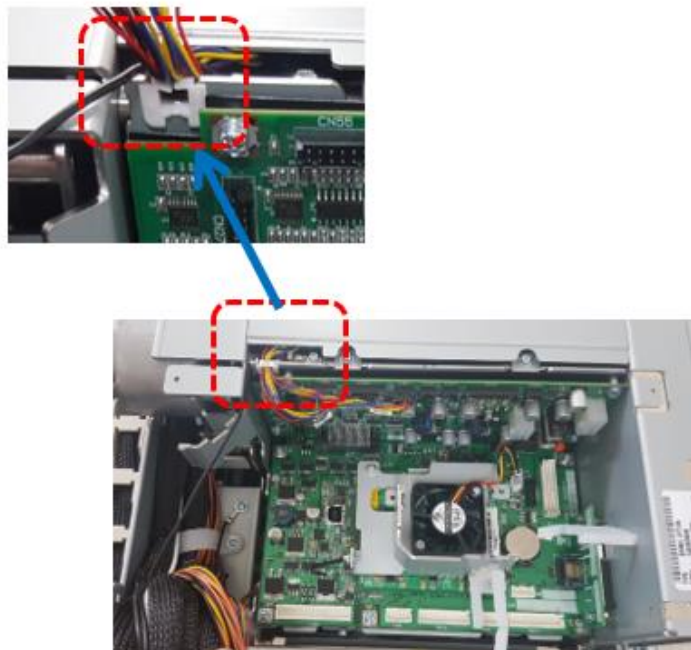
Bill Recycle Module

5-3.

- (1) Disassemble all CABLE connectors from the board first. (except CN39 FAN)
- (2) Cut the Cable Tie.
- (3) Loosen the SCREW M3x8 fixing 33640301_CLAMP.
- (4) Turn all cables to Hot Side.



5-4. Remove 3 types of Cable (CN55, CN57, FG-CABLE) from Clamp.



Bill Recycle Module

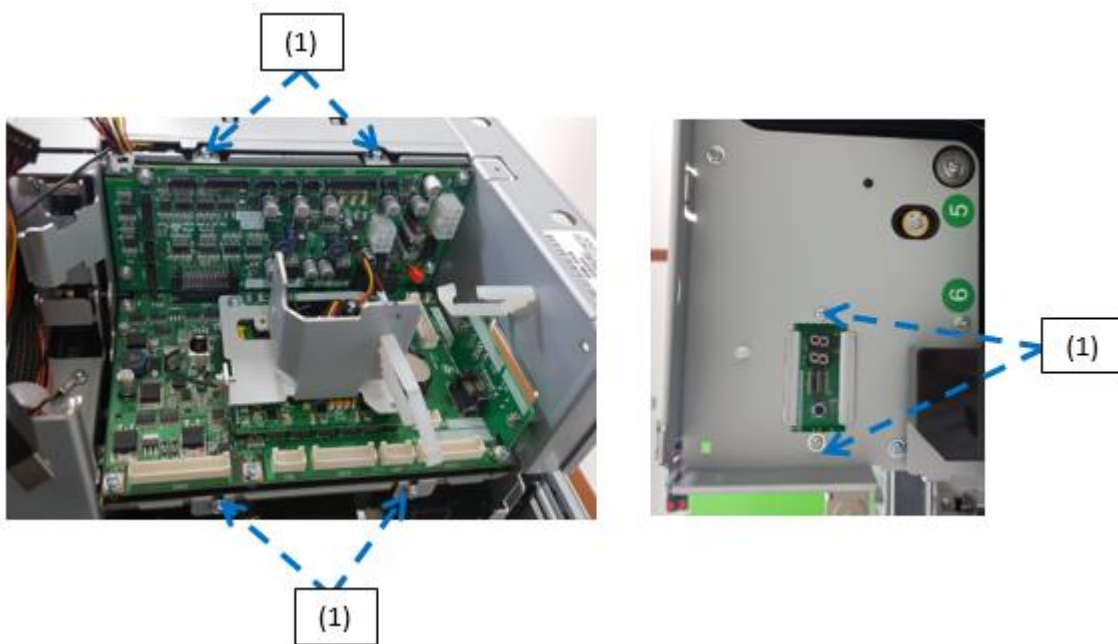
5-5. Loosen the SCREW fixing the ASSY MAIN BOARD.

- (1) Loosen the SCREW M3x8 (6ea).
- (2) Loosen the SCREW M3x8 (1ea) under the BOARD.

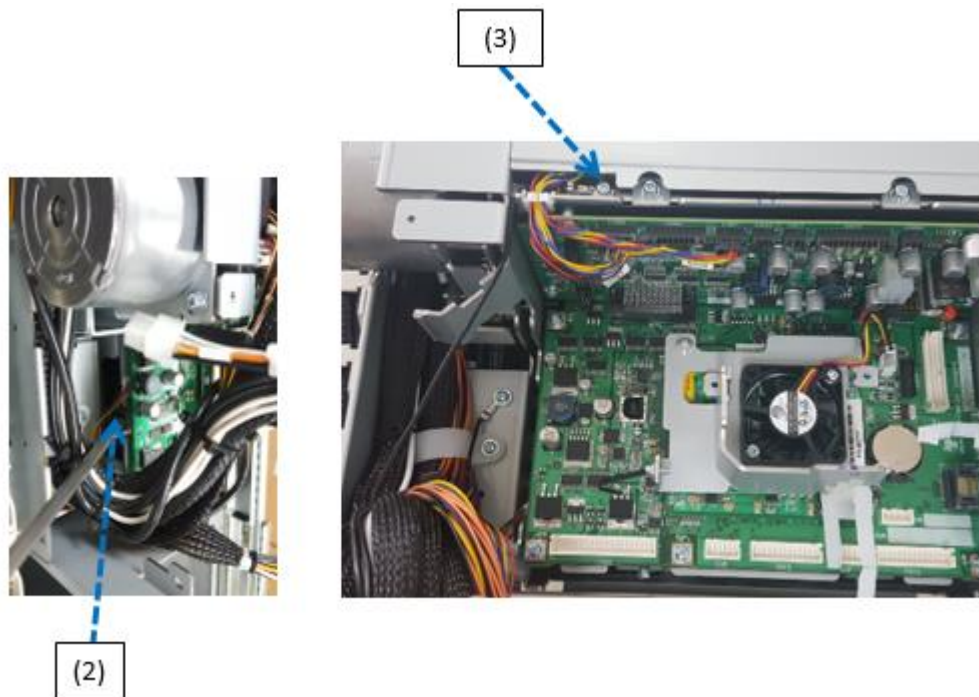
* Caution (Applied time : from the parts produced on 2019.07.01)

The SCREW of (2) moves to the position of (3) and it is unnecessary to disassemble it.

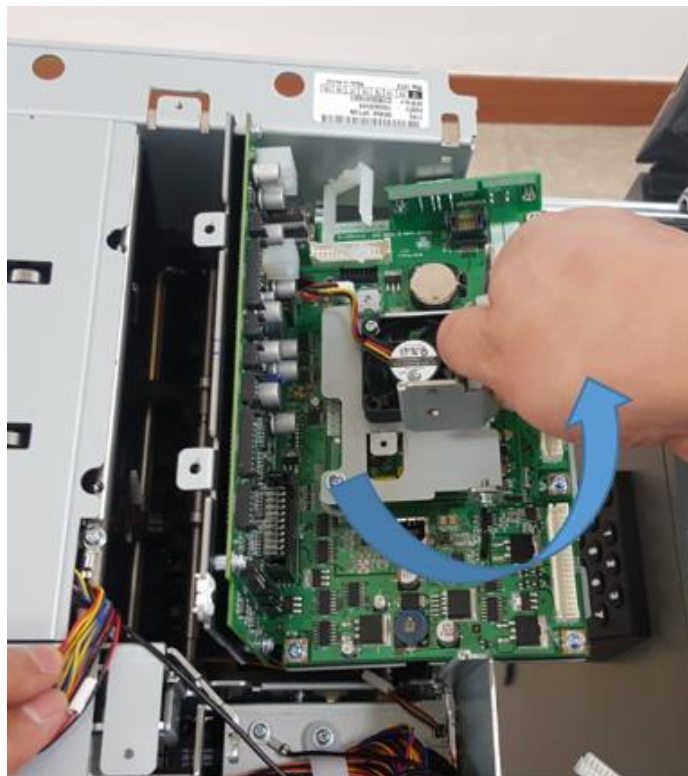
The length of FG-CABLE is changed. (260mm -> 360mm)



Bill Recycle Module



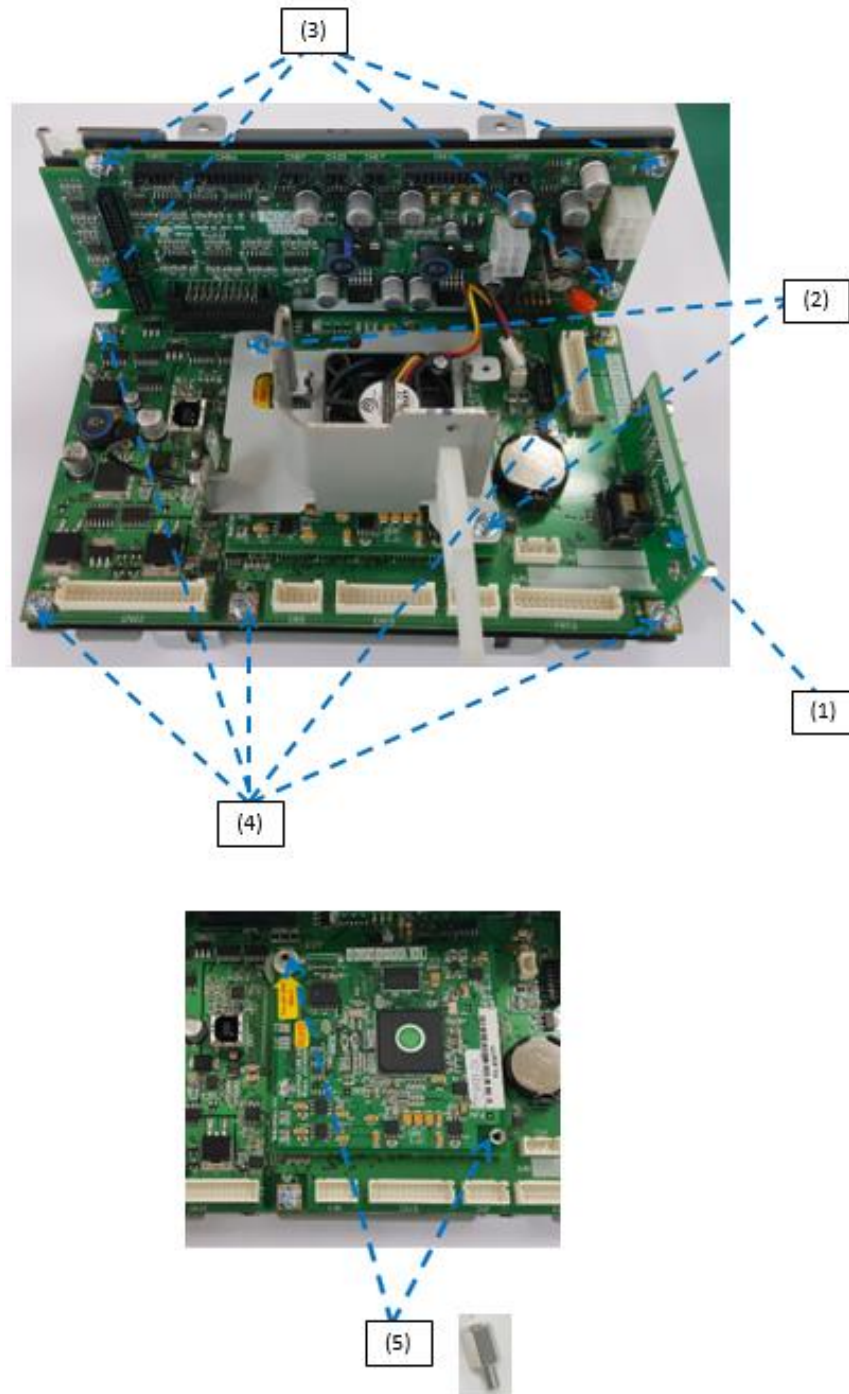
5-6. Disassemble the ASSY MAIN BOARD turning it in the arrow direction.



Bill Recycle Module

5-7.

- (1) Disassemble the BOARD SEGMENT.
- (2) Loosen the SCREW M3x8 (2ea) fixing the FAN_BRKT_OPTION.
- (3) Loosen the SCREW M3x8 (4ea) fixing the MAIN ACT BOARD.
- (4) Loosen the SCREW M3x8 (5ea) fixing the MAIN I/O BOARD.
- (5) Loosen the 4890000015_JACK POST (2ea) fixing the CORE BOARD.



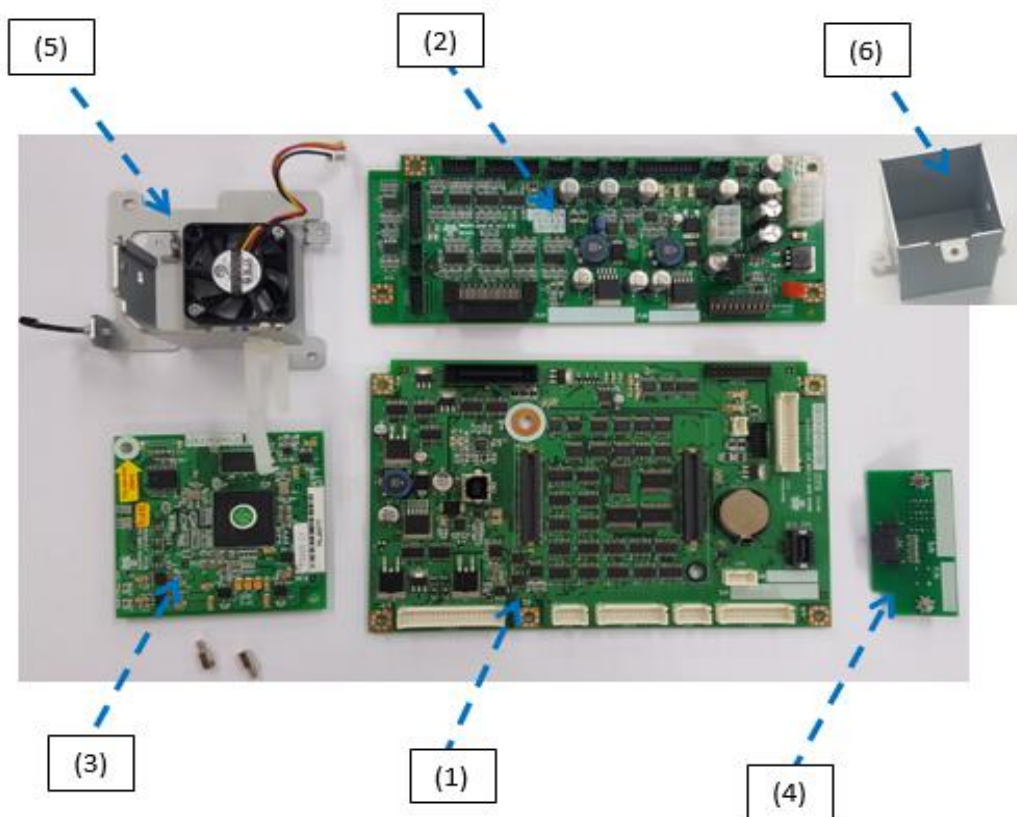
Bill Recycle Module

5-8. Component part of ASSY MAIN BOARD

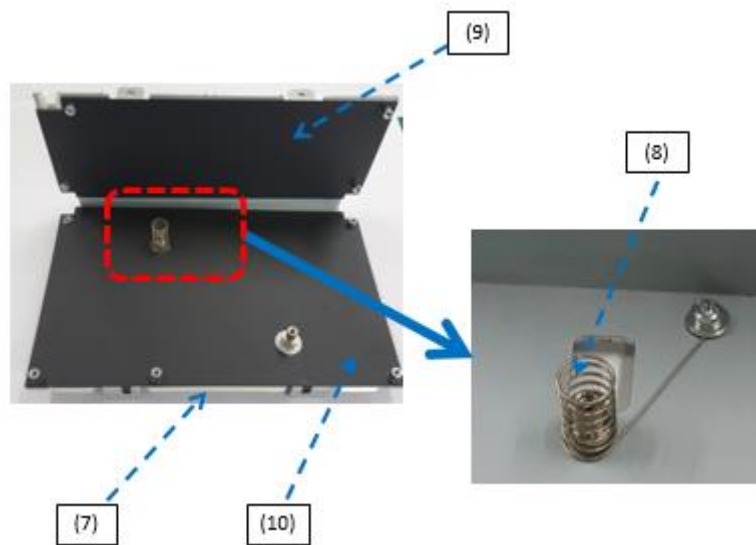
- (1) MAIN_I/O_BOARD (2) MAIN ACT BOARD
- (3) CORE BOARD (4) BOARD SEGMENT
- (5) FAN BRKT OPTION+FAN (6) BRKT AIR PATH
- (7) PLATE_MAIN_BOARD
- (8) SPRING_ANTISTATIC

(Caution : If disassembling, be sure to assemble it because the spring acts as the USB connector's earth)

- (9) ACT_BD_SHEET (10) MAIN I/O BD SHEET



Bill Recycle Module

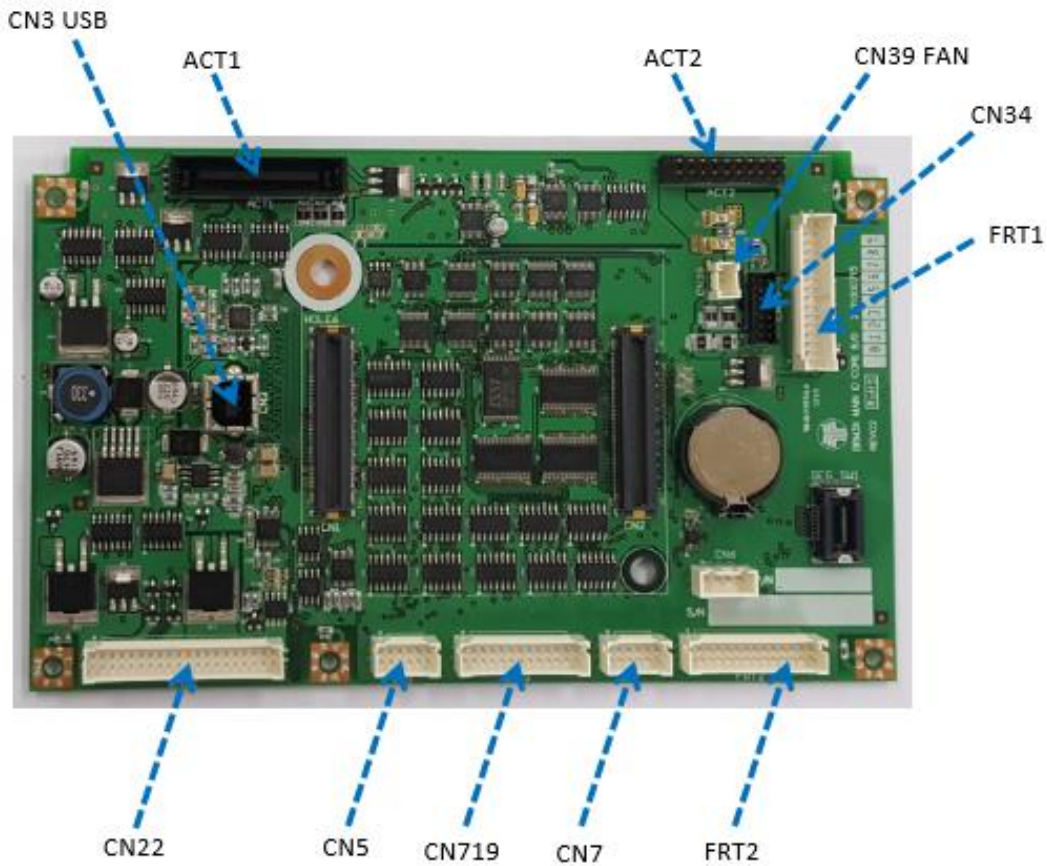


5-9. To assemble, use the reverse order of disassembling.

Bill Recycle Module

5-10. Connector number of BOARD

- MAIN I/O BOARD



- MAIN ACT BOARD

