1．Scope of application

This technical specification sheet applies to the installing on main frame of receptacle and installation procedures of plug unit and cover.

2．Applicable products

＜Part No.＞

Receptacle
- PS3C-A-1US　CL236-1062-0
- PS3C-B-1US　CL236-1063-2

Plug units
- PS3C-A-1UP　CL236-1064-5
- PS3C-B-1UP　CL236-1065-8

Cover (Included with the tapping screw)
- PS3C-1UP-CVL　CL236-1066-0

Tapping screw (Optional product)
- PS3C-1UP-TS　CL236-1068-6

3．Operatinal procedure manuals

Refer to the following pages.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1					

TITLE Installation procedures of PS3C on main frame	HIROSE ELECTRIC CO.,LTD.		
	APPROVED	NM.NISHIMATSU	16.03.15
	CHECKED	NM.NISHIMATSU	16.03.15
	DESIGNED	P.EKSOURIYA	16.03.14
	WRITTEN	P.EKSOURIYA	16.03.14
TECHNICAL SPECIFICATION	ETAD-E3140-00	△1	1/7

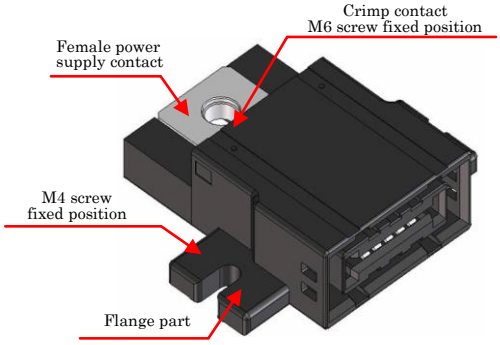
FORM HC0011-9-1

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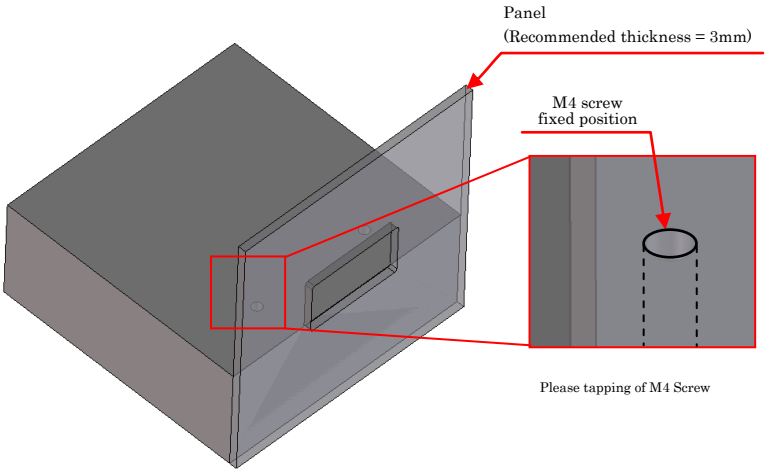
【Operatinal procedure manuals】

1. Parts name

1-1. Receptacle

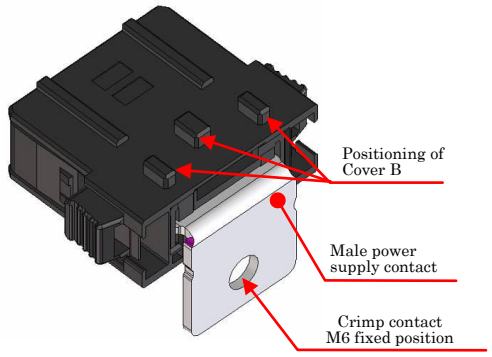


Receptacle

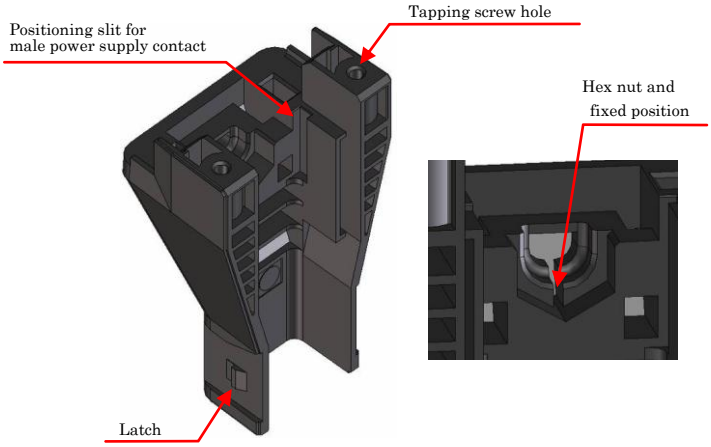


Main frame of Receptacle

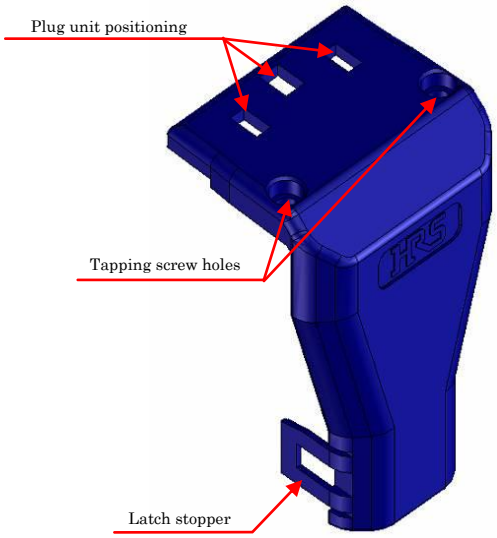
1-2. Plug



Plug unit



Cover A



Cover B



Tapping screw

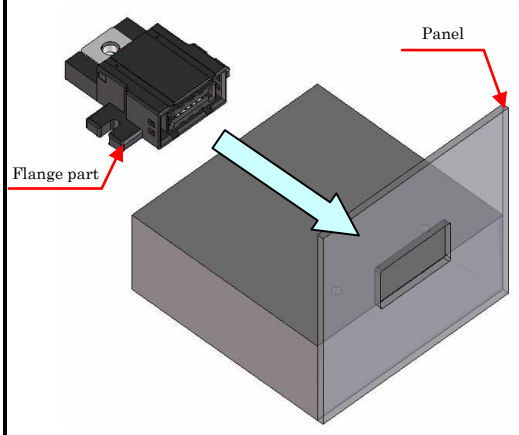
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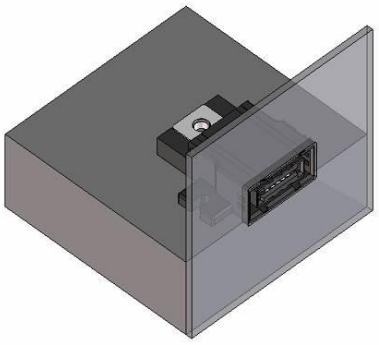
2. Installation procedures for receptacle

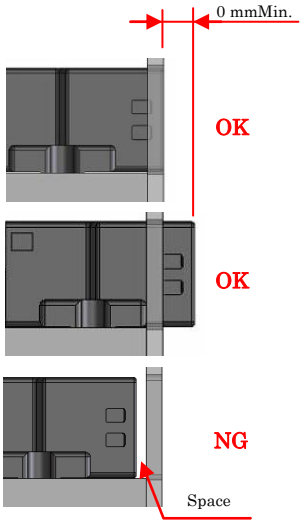
2-1. Setting receptacle to the panel

The receptacle should be protruded from the panel. The amount of protrude is 0mm Min. (See the recommended panel dimensions in specifications)

Note: If the receptacle does not protrude from the panel, the receptacle can not firmly mating with plug.





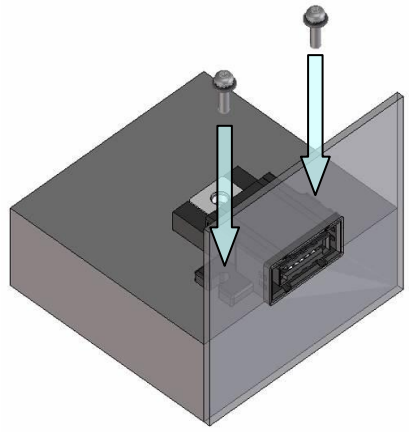


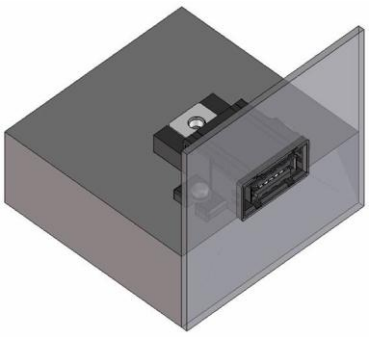
Side view

2-2. Installing receptacle to set

Insert M4 screws into fixed points and tighten the screws as shown below.

・Recommended tightening torque: 1.2 to 2.1 N・m





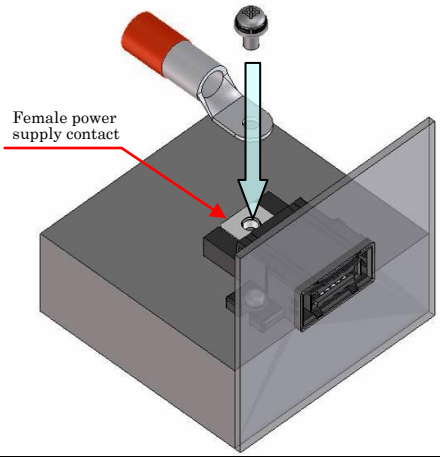
2-3. Installing crimp contact

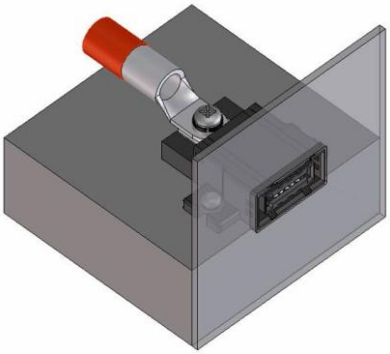
Fix the crimp contact(with cable) to female power supply contact by M6.

(See the recommended cable and crimp contact in specifications)

・Recommended screw: JIS B 1188 Spring washer + cross recessed pan head screws with captive polished circular washer M6×12

・Recommended tightening torque: 2.5 to 5.2 N・m





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3. Installation procedures for plug

3-1. Installing crimp contact

Installing of male power supply contact and crimp contact (with cable) can be use with recommended method 1 or method 2 as shown below.

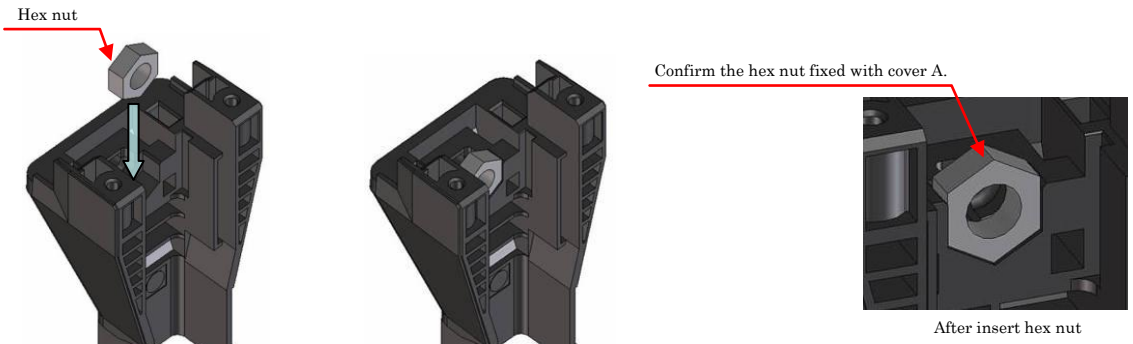
3-2. Recommended method 1

- Recommended screw: JIS B 1188 Spring washer + cross recessed pan head screws with captive polished circular washer M6×12
- Recommended nut: JIS B 1181 M6 Style 1
- Recommended tightening torque: 3.9 to 7.2 N・m

3-2-1. Installing hex nut

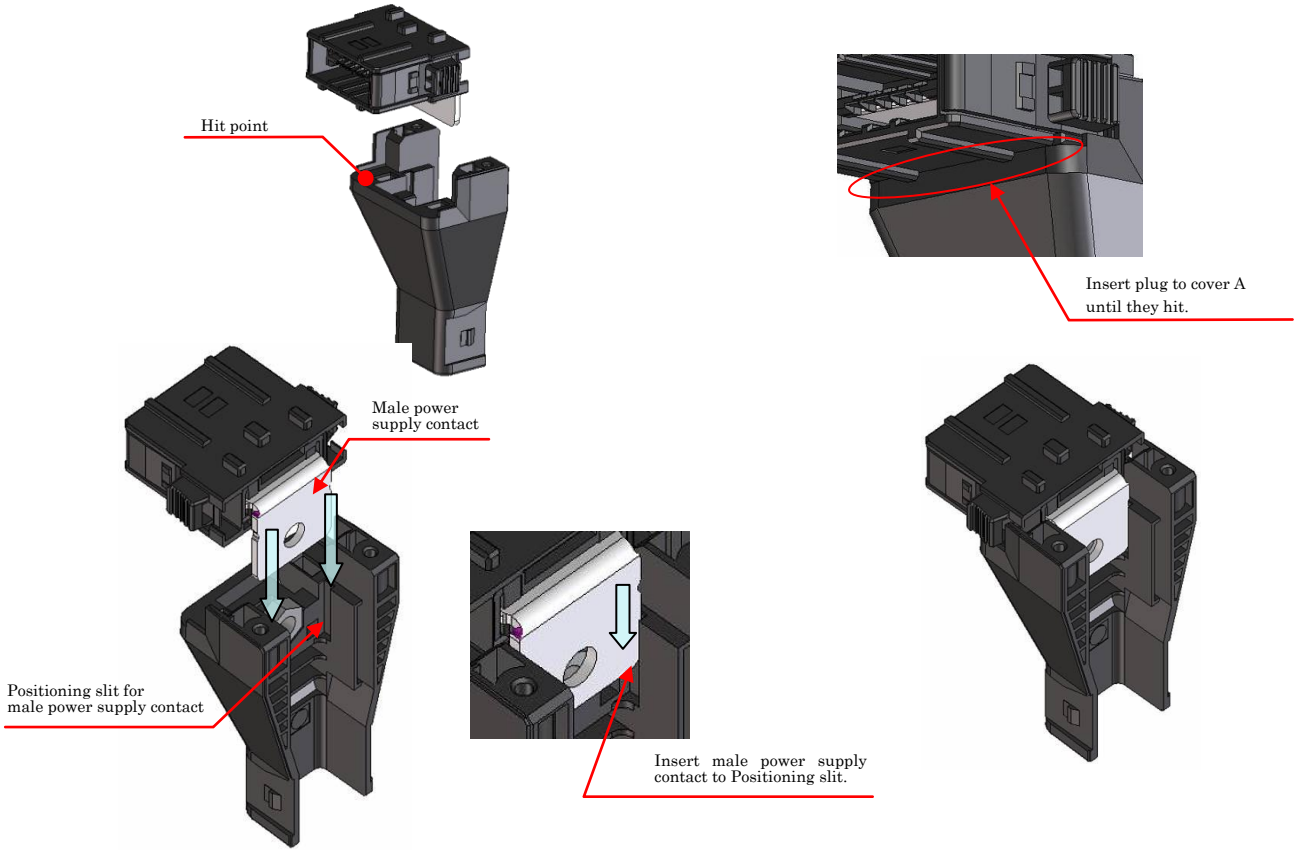
Insert hex nut into cover A as shown below.

Note: Please confirm the hex nut fixed with cover A.



3-2-2. Installing plug unit

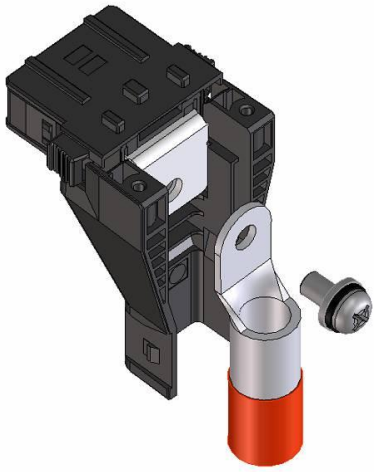
Insert plug into cover A until they hit as shown below.

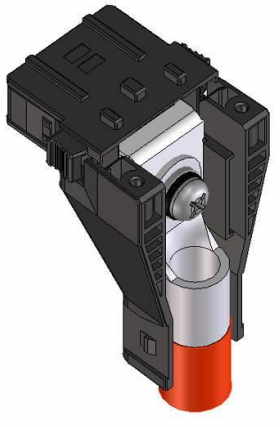


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3-2-3. Installing crimp contact

Fix the crimp contact(with cable) to female power supply contact with M6 as shown below.





3-3. Recommended method 2

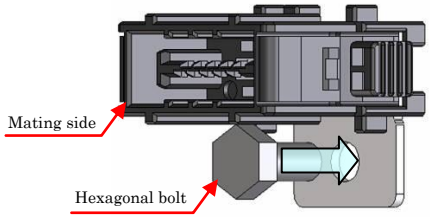
- Recommended bolt: JIS B 1180 Hexagon head screw M6×14 product grades A, B
- Recommended locknut : HLN-R M6 (Hardlock industry Co., Ltd.)
- Recommended tightening torque(※): as shown below.

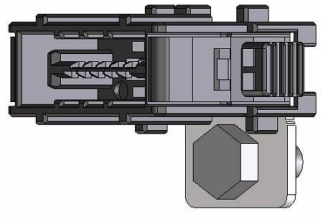
	Convex nut recommend tightening torque			Concave nut recommend tightening torque
	Convex nut material : Class4	Convex nut material: A2		
	Bolt:4.8(Strength class)	Bolt:A2-50(Strength class)	Bolt:A2-70(Strength class)	
M6	4.1 N・m	2.7 N・m	5.7 N・m	4 to 5 N・m

※ : See Hardlock industry Co., Ltd. catalog (2013.8/6,000) .

3-3-1. Installing bolt

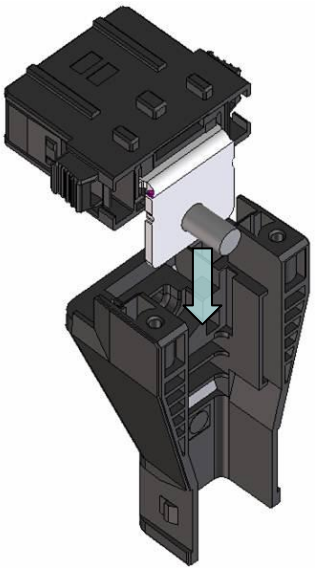
Insert the hexagonal bolt into male power supply terminal hole from mating side.

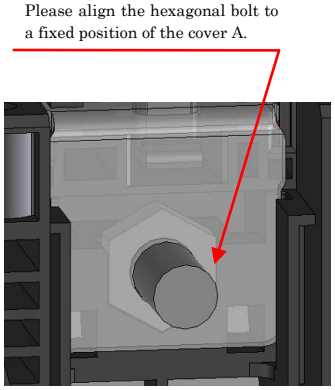


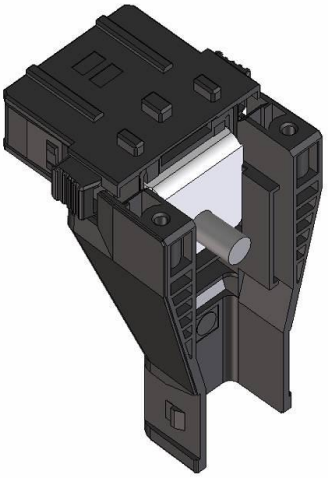


3-3-2. Installing plug

Put the hexagonal bolt and plug into the cover A as shown below.



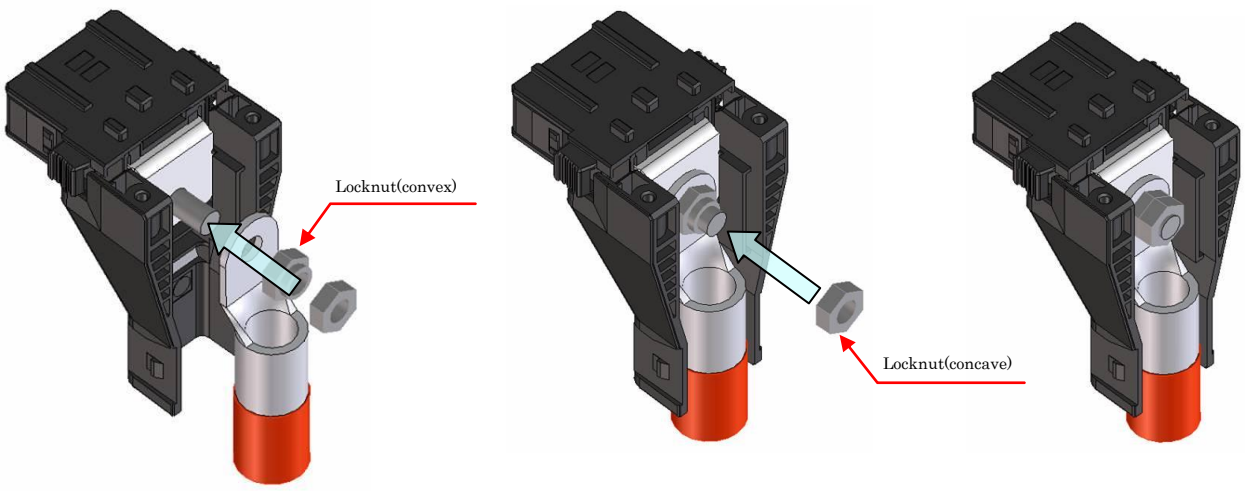




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3-3-3. Installing crimp contact

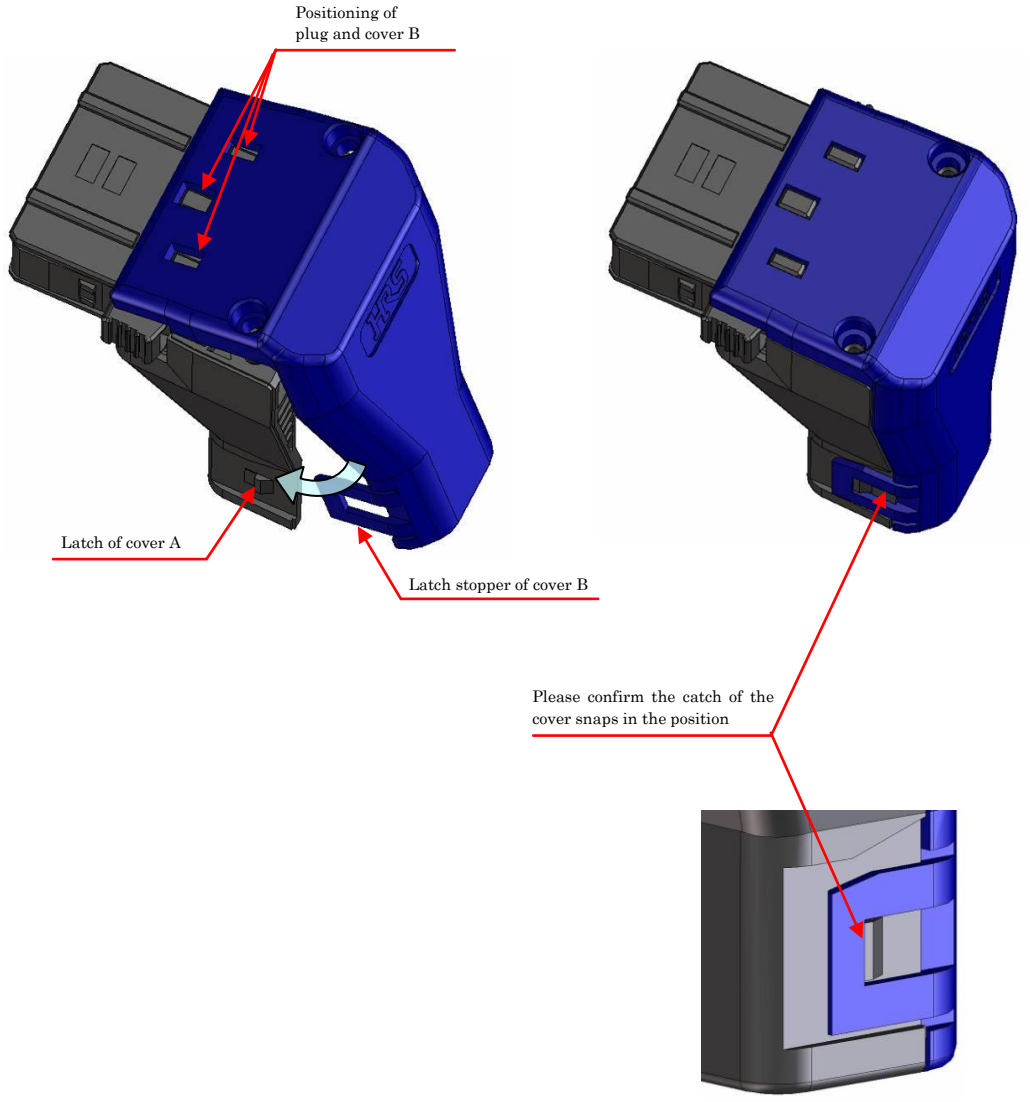
Insert crimp contact (with cable) into hexagonal bolt and secure it with locknut.



3-4. Installing cover B

Positioning of Plug and cover B has 3 points as shown below.

Note: Please confirm the cover A is locked with cover B.

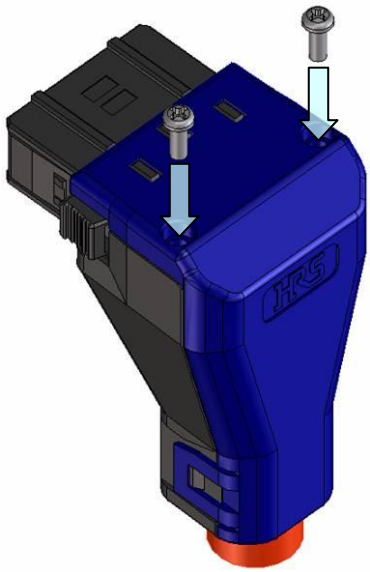


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3-5. Installing trapping screw

Tighten the cover A to cover B with trapping screw as shown below.

・Recommended Trapping screw: JIS B 1122(1976) Pan head trapping screw 3×8 Style 2
・Recommended tightening torque: 0.53 to 0.66 N・m





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