

SGY-PM910H2/HL/LR
ChainRing Adapter
Installation Manual

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1 Assembling the Chainring and Installing the Right Transmitter

Install the right transmitter on the right crank as you assemble the chainring

If the chainring and chainring adapter have been removed, assemble the chainring and fasten the right transmitter according to the following procedure.

- Refer to the instruction manual for the crank set you are using for the procedure to assemble the chainring.
- When you assemble the chainring, be careful that you do not scratch the crank with the pin that prevents the chain from falling off. Also, take precautions such as masking the teeth of the chainring to prevent injury.



2 Installation procedure of the adapter base (only FC-6800)

The procedure which installs the adapter base in the cavity of the spider arm of the FC-6800

Note:

When a pedaling monitor sensor is newly installed on a crank.

Attach the adapter base BEFORE sticking on the strain gauge.



2.1 Attachment of mounting tape (adhesive tape) to the adapter base

After degreasing the adhesive surface, attach the tape with care as not to apply double-sided tape to the ledge at the triangle mark in the figure below (right).



Disconnection of the adapter base body and the fixing pin

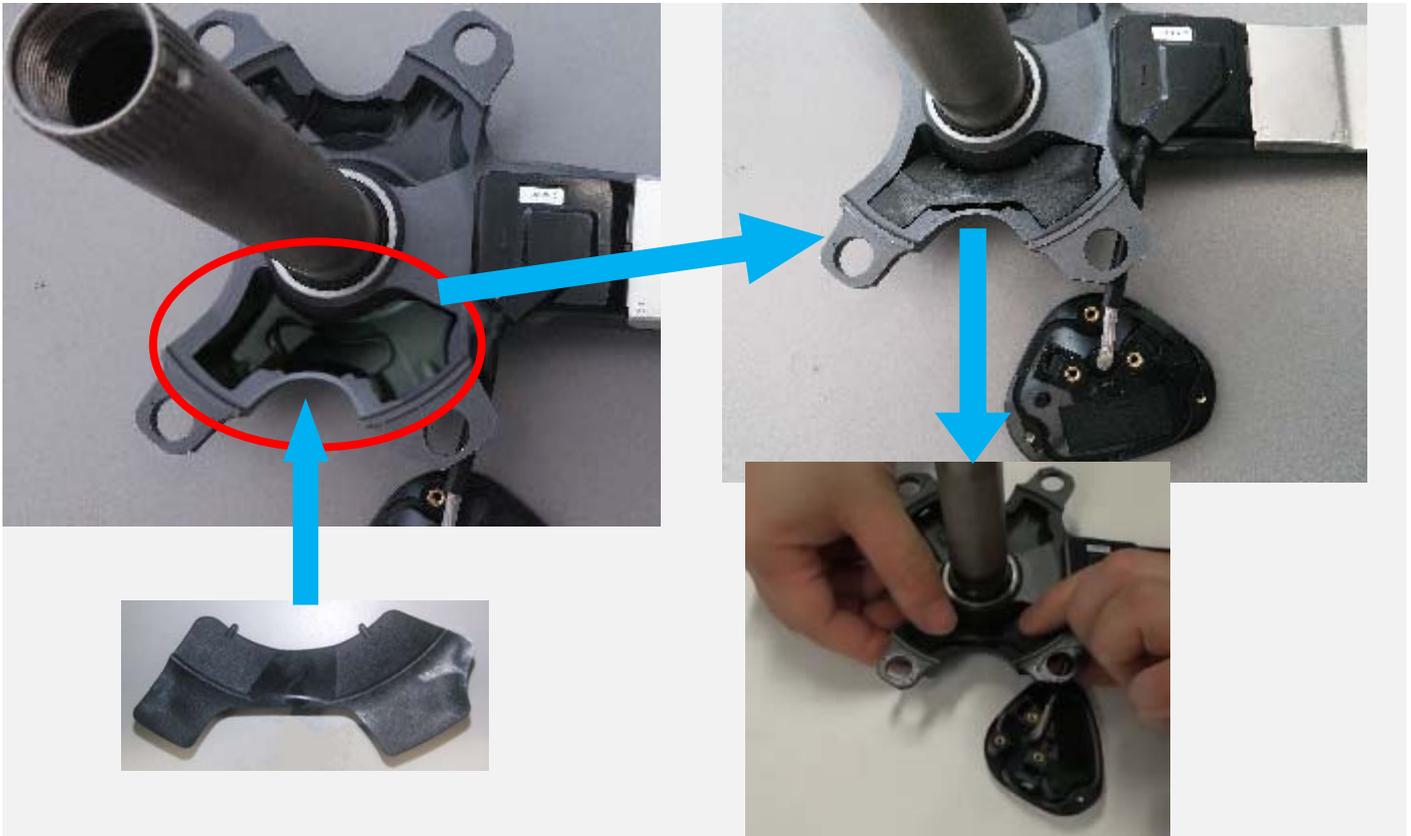
Make sure that you align the nippers direction, to leave no stub after cutting.



2.2 Insertion of an adapter base

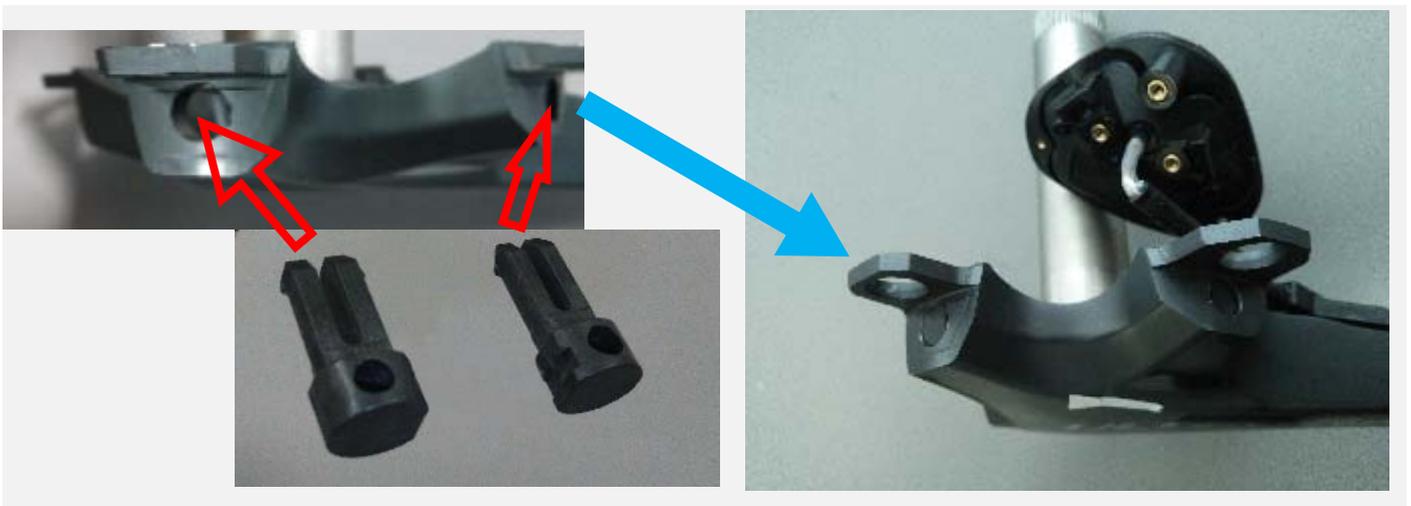
After peeling off the backing paper of the adapter-base adhesive tape, insert it into the groove of the spider arm. (Below left)

Hold the adapter base from the upper side with your finger and attach it to the spider arm. (Below right)



2.3 insertion of the fixing pin

Insert the fixing pin in the orientation shown in the figure below. There are two sizes of fixing pin. The larger pin goes in the hole on the left side, the smaller one goes in the right side. Be sure to insert these pins correctly..



3 Installation procedure of the chainring adapter(FC-9000/FC-6800)

⊗ Note: Do not cut the parts circled in red until AFTER the adapter has been attached to the crank.

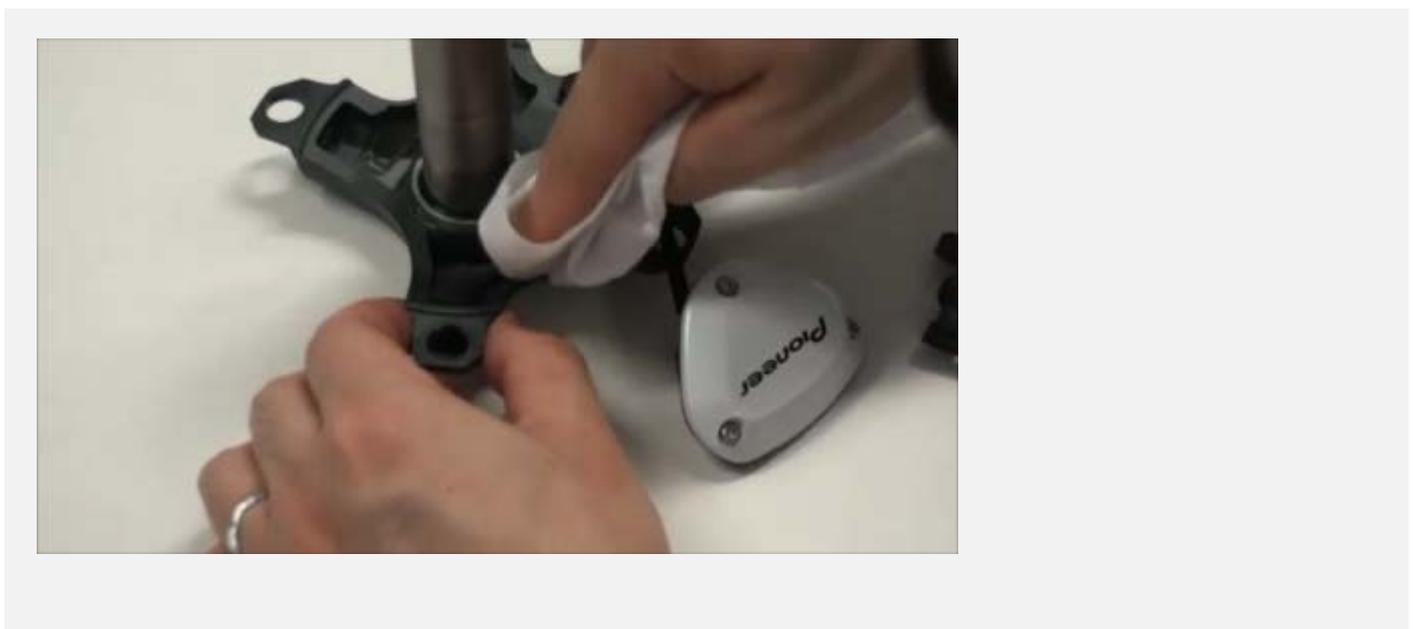
Note: When a pedaling monitor sensor is newly installed on a crank.

The chain ring adapter should be applied AFTER the strain gauge has been affixed and the glue has **hardened**.



3.1 Remove any oil on the area to attach the adhesive tape.

Wipe the area around the axis of the crank where adhesive tape will be applied to remove oil, using alcohol.



3.2 Attach the adhesive tape in place.

Peel the white paper back from the adhesive tape.

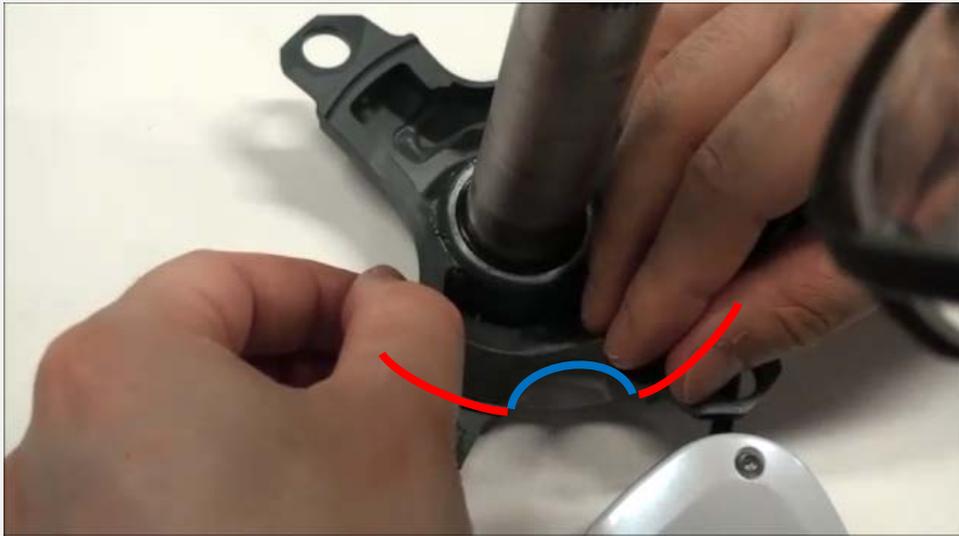


Holding the double sided tape by the transparent in the center, attach it to the spider arm.



Adjust the position of the curved portion of the adhesive tape to fit the position of the blue line (below)

Be careful not to cover the portions marked with Red lines. (below)



Press down on the adhesive tape from the top with your finger and attach it in place

Note: Be careful not to allow the adhesive tape to attach to the sensor cable as shown in the circled areas in this photo before it is positioned correctly.

If this does happen, be very careful not to stress the cable when separating the cable from the adhesive.



Peel off the transparent release paper of the adhesive tape.



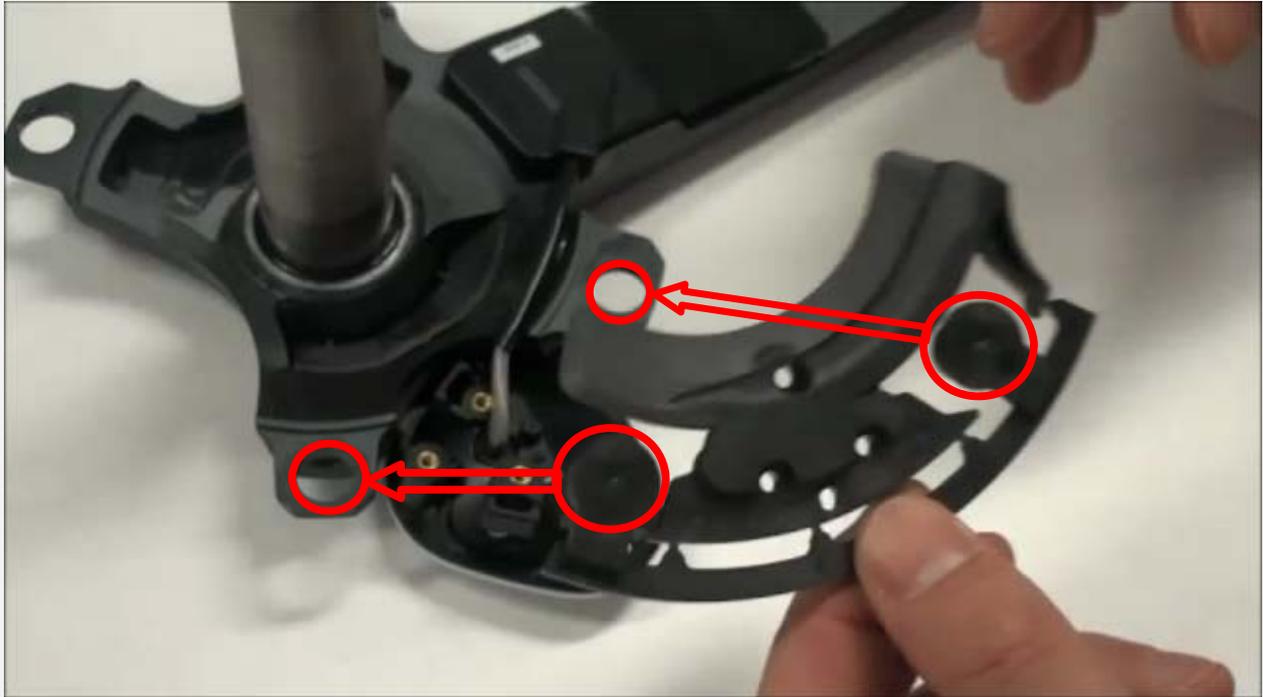
Do not allow the sensor cable (circled in yellow) to lie on the outer, lower area of the spider arm.

Ensure it remains at least 2mm within the path shown by the red lines and hold it in place with the adhesive tape. (See diagram)



3.3 Assemble the Chainring Adapter.

The 2 studs of the Chainring adapter – marked with red circles – should be inserted into the screw holes of the crank vertically as in the picture below.



3.4 Push the Chainring adapter to bond with the adhesive tape.

Push the Chainring adapter to bond with the adhesive tape assembled previously.

Push firmly on all areas under which adhesive tape is present (Red line).



3.5 Remove unused part.

Cut the 4 points marked with red circles using nippers to remove the unused part of Chainring adapter. Take care to make a clean cut, leaving no stump, by using the flat side of the nipper blades on the side of the crank axis, and cut as close to the crank axis as possible.



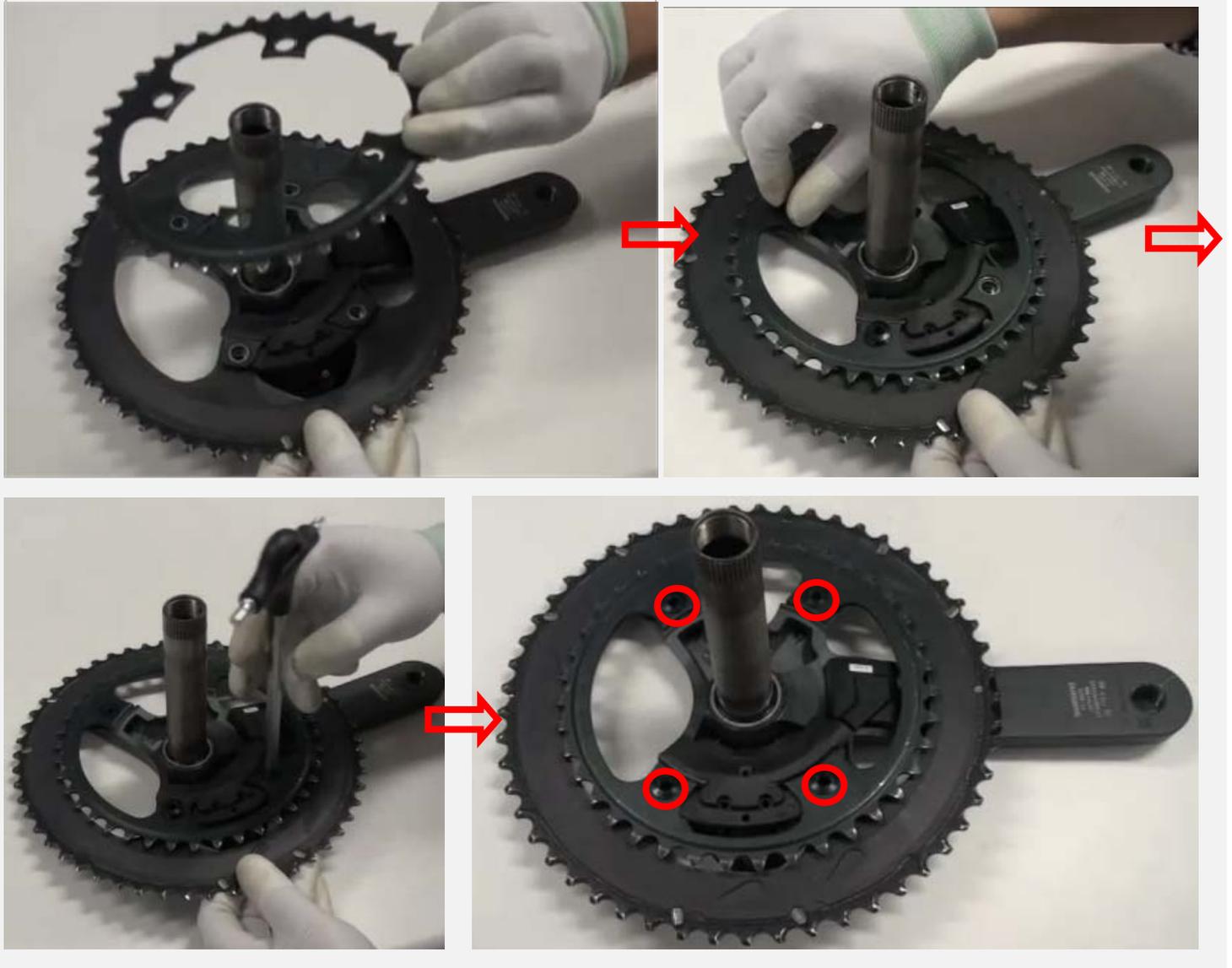
3.6 Assemble the Outer Chaining.

Take care not to stretch or stress the cable tube on the Right sensor.



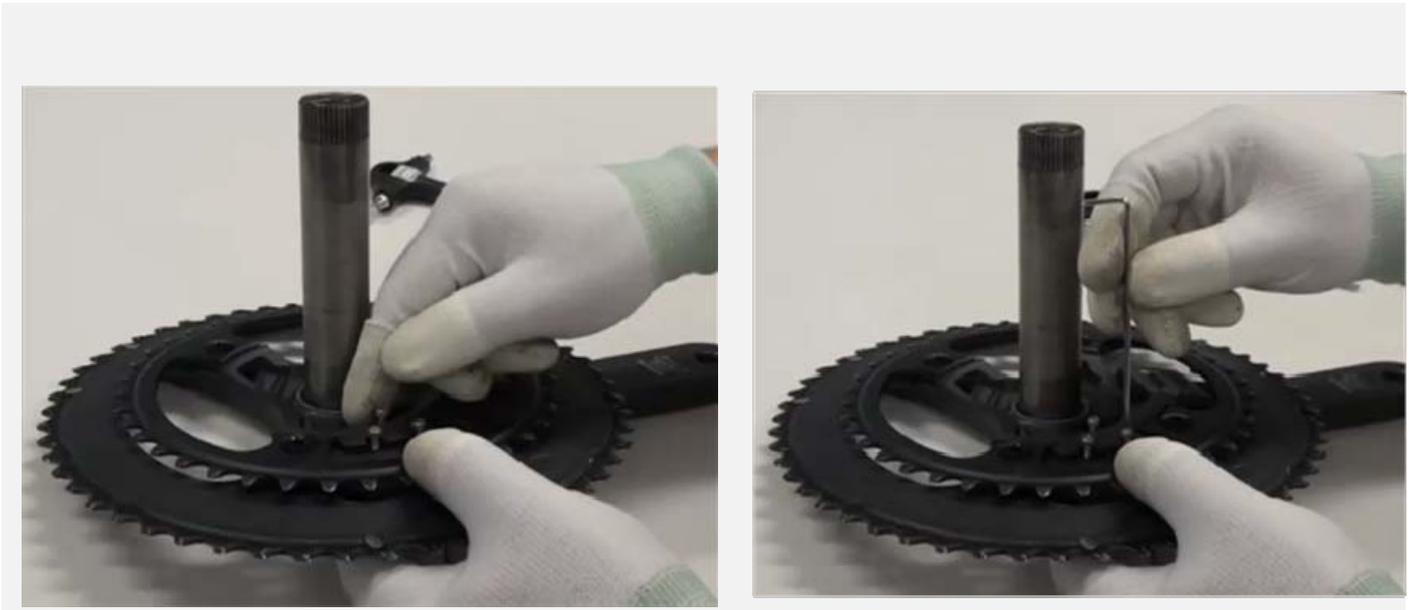
3.7 Assemble the Inner Chainring and tighten the screws weakly.

After application of grease to the chain ring bolts, place each bolt into the bolt hole, and assemble the inner chain ring. Tighten the 4 screws weakly so it is still possible to adjust the position of the Chainrings.



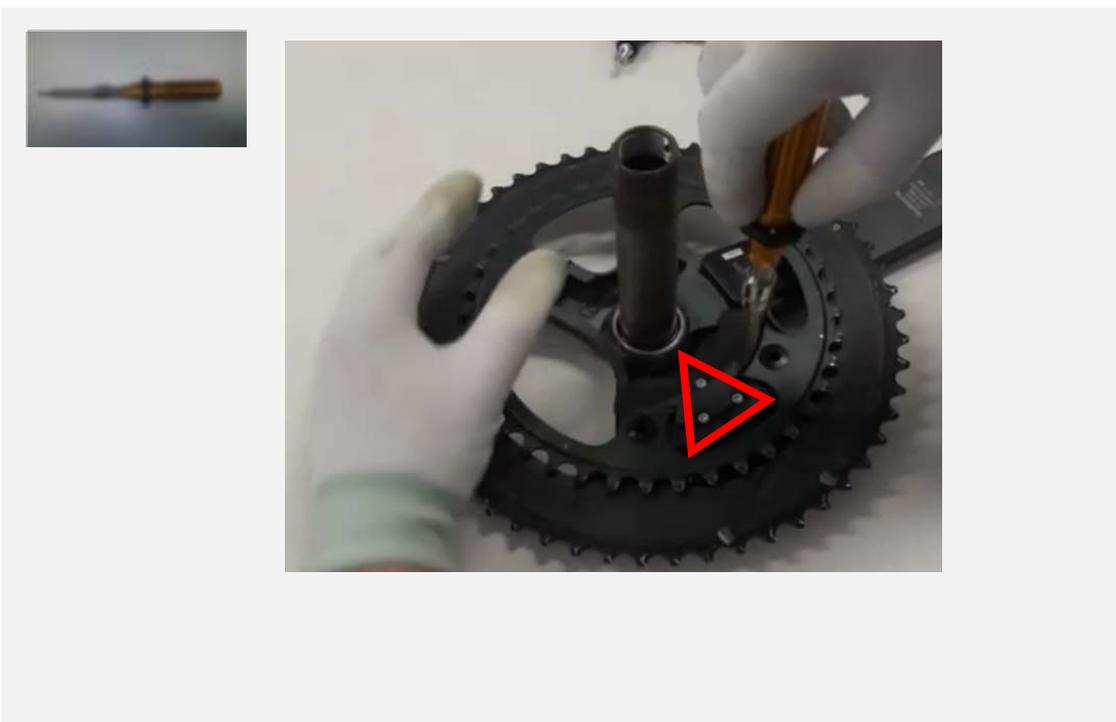
3.8 Install the right transmitter on the chainring adapter with the 8-mm length screws provided.

Press on the right transmitter from the outer side of the outer chainring as you insert the 3 screws, then tighten them to the specified torque.



Use a tool to measure the torque when you tighten the screws.

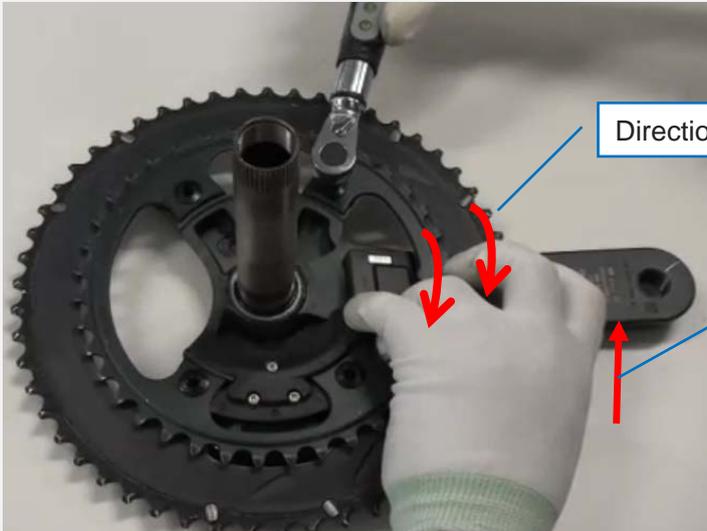
- Tightening torque: 30 cN•m



3.9 Tighten the chain ring bolts to the specified torque

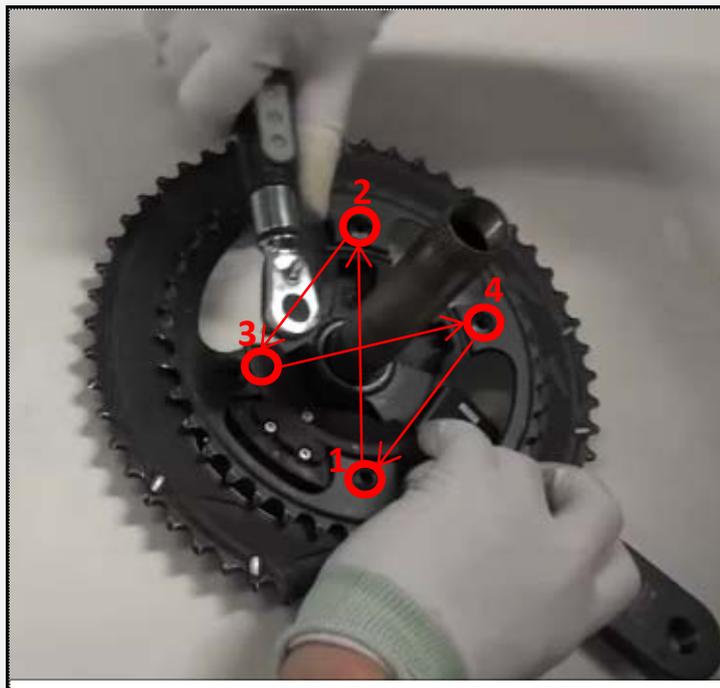
Apply force in the direction of the arrow to eliminate play as you tighten the chainring bolts.

Tightening torque:14N·m



Direction for applying a force to the chain ring

Direction for applying a force to the crank



Tighten the chainring bolts in order 1, 2, 3, and 4 in a diagonal pattern. When doing this, do not tighten each bolt completely at one time. Gradually tighten the four bolts a little bit at a time about three times each in turn, until they all reach the specified torque.

