

SAFETY MAGNETIC BRAKE manual - HMBB type

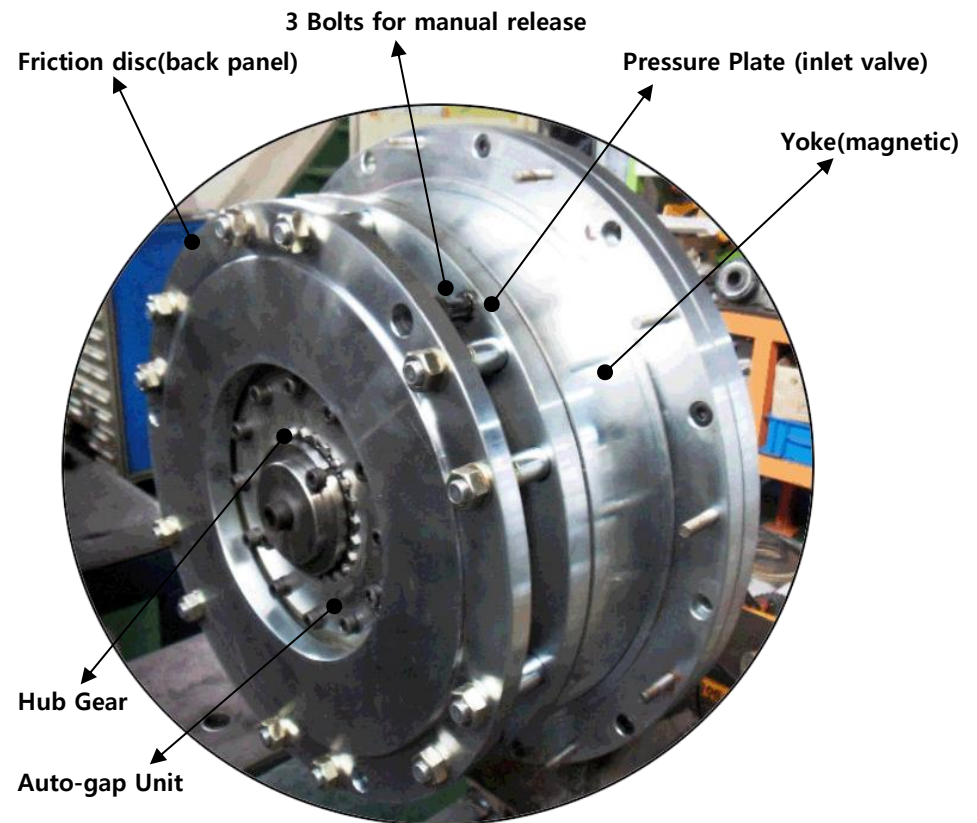
Manual for Disassembling 1 of 5 (For assembling, follow the instruction in reverse order.)

1 Disassembling water-proof cover



1-1. Disassembling water-proof cover by disassembling all the nuts marked above.

2 The brake after disassembling the cover

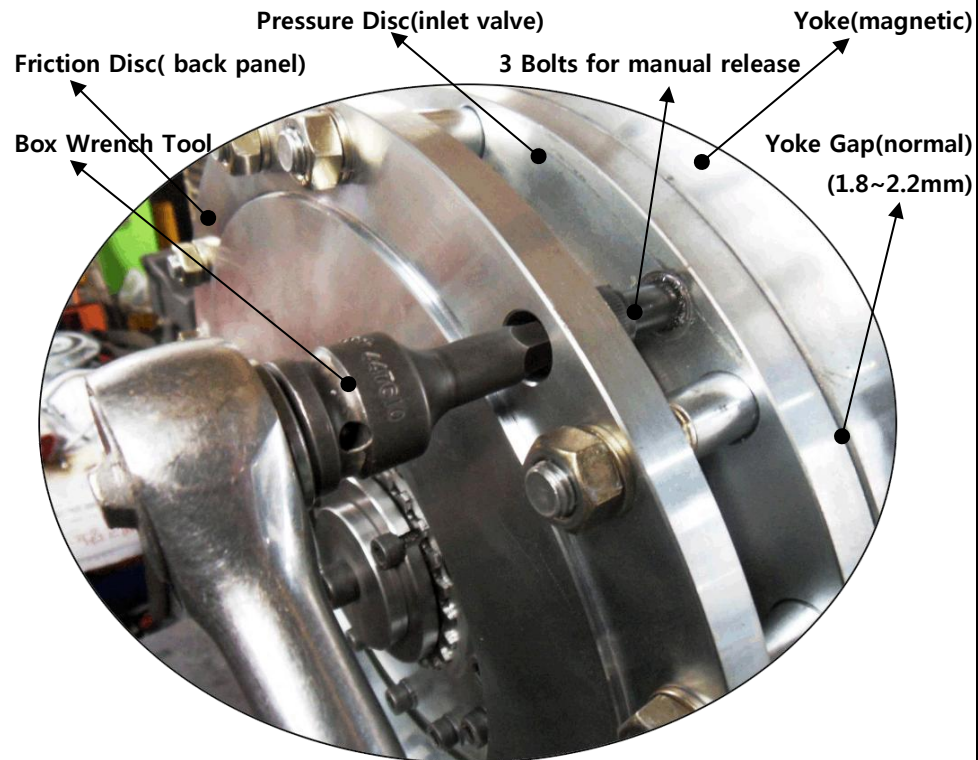


2-1. As shown above, this is how the brake looks like after disassembling the cover.

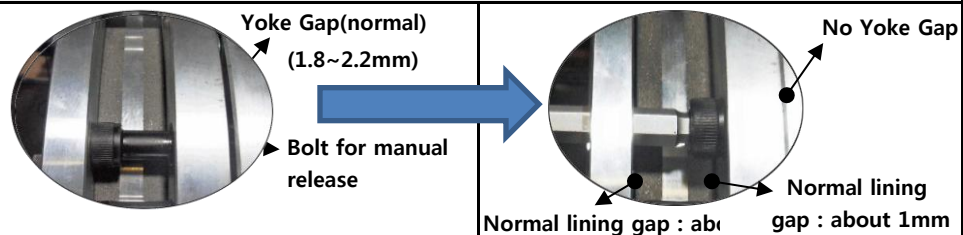
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Manual for Disassembling 2 of 5 (For assembling, follow the instruction in reverse order.)

3 Manual Release- The power of the brake is off.



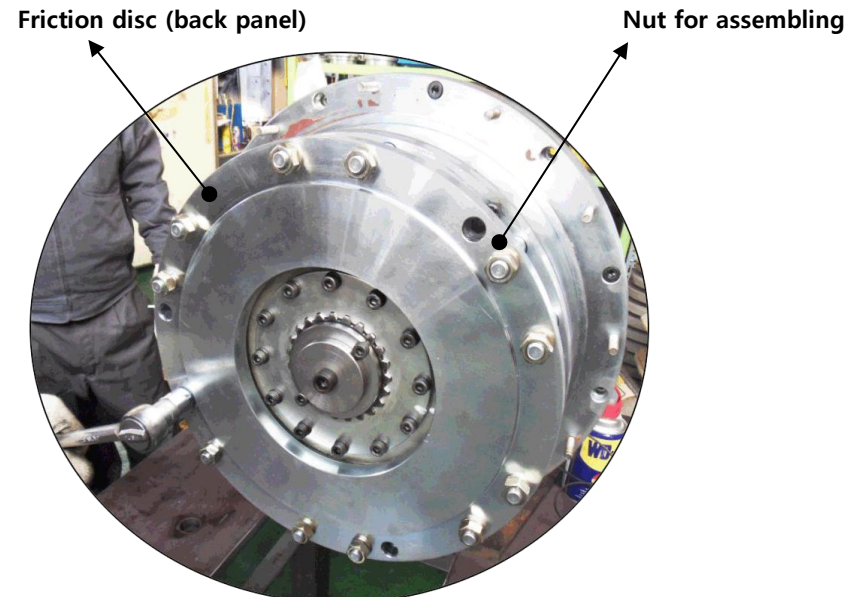
3-1. For manual release, tighten the bolts to the right using box wrench so that the pressure plate(inlet valve) is attached to yoke(magnetic) without the yoke gap.



※ When assembling, attach the bolt head to Friction disc(back panel) to the fullest by loosening the bolt to the left.(opposite to the brake body and the motor)

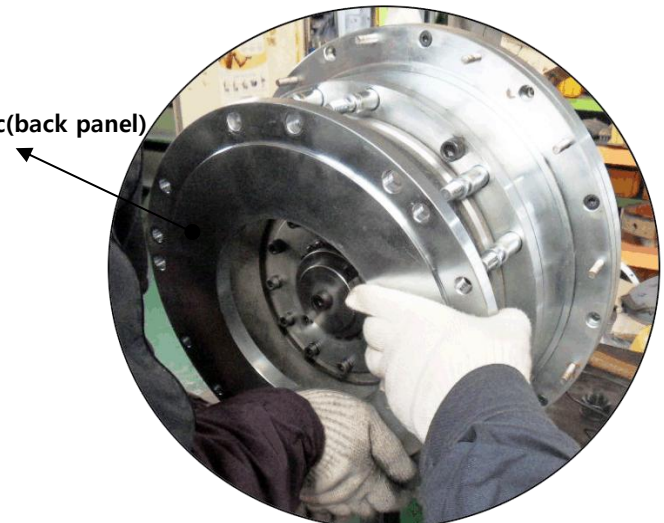
※When disassembling, tighten the bolts to the right so that the pressure plate (inlet valve) is attached to yoke(magnetic) without the yoke gap.

4 Disassembling Friction disc(back panel)



4-1. Disjoint Friction disc(back panel) after disassembling the nut fixated on the brake.

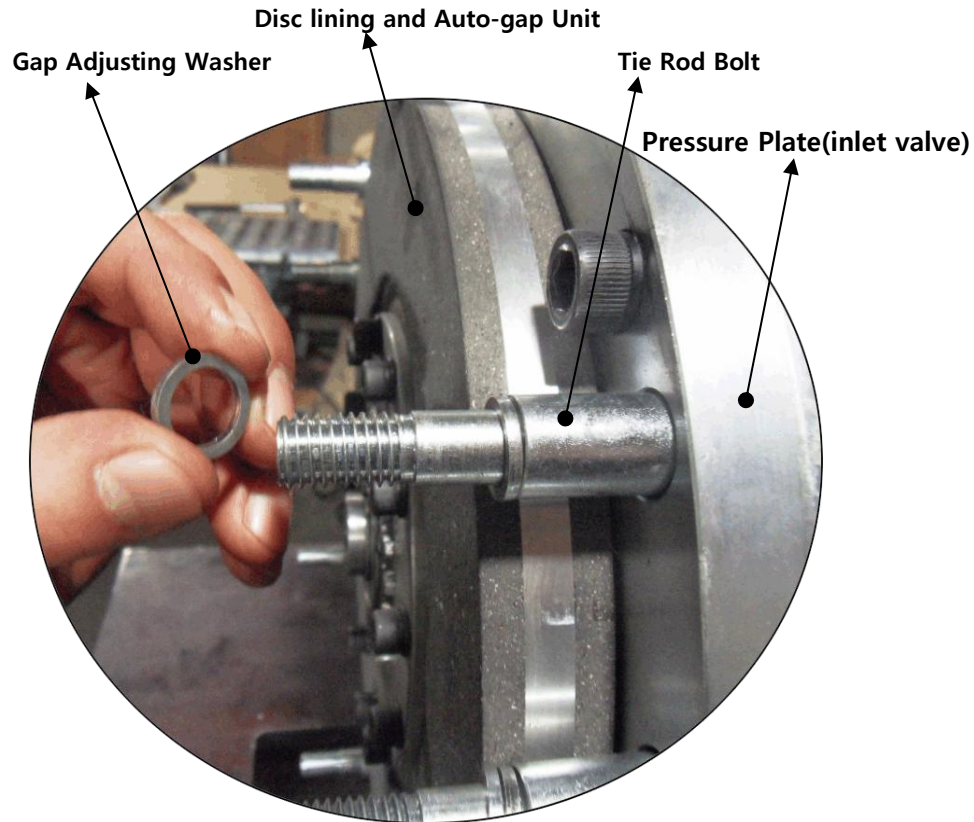
Disjointing Friction disc(back panel)



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Manual for disassembling 3 of 5 (For assembling, follow the instruction in reverse order.)

5 Separating Gap Adjusting Washer

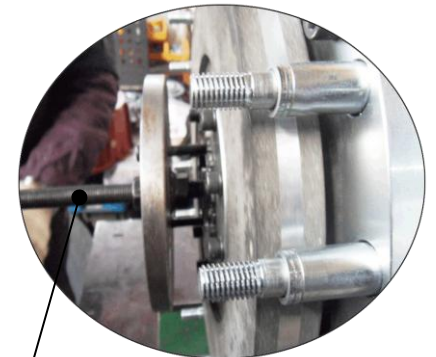
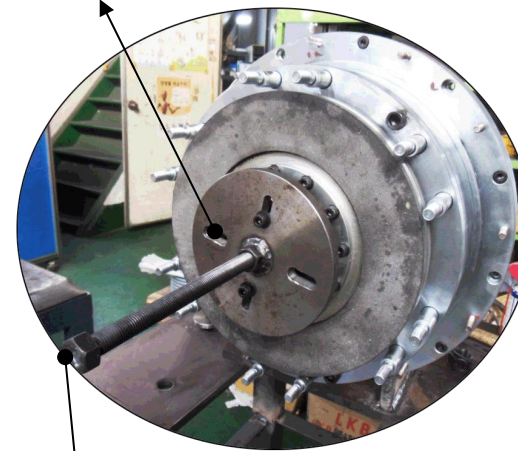


5-1. When disassembling, remove all Gap Adjusting Washers from each Tie Rod Bolt. ※Note : Be careful not to lose Gap Adjusting Washer.

5-2. When assembling, check the type of washer(1.6mm and 2.3mm) to be used and fit the washers into each Tie Rod Bolt.

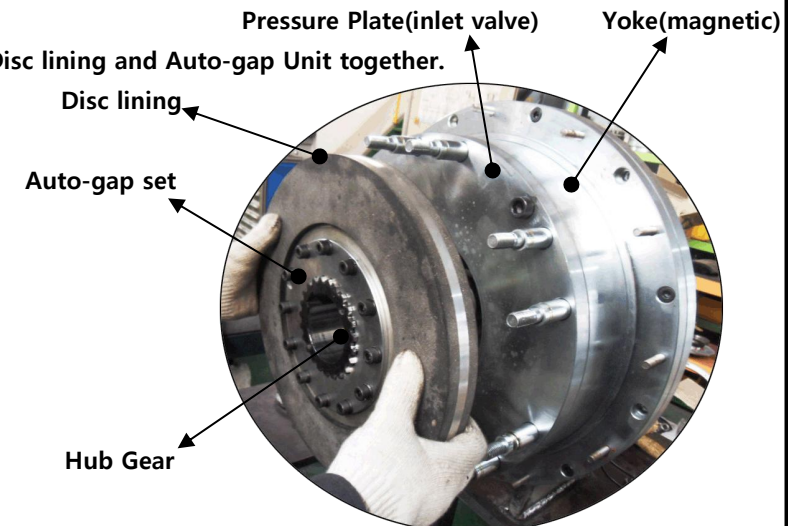
6 Disassembling Disc lining and Auto-gap Unit (Hub Gear + Disc lining + Auto-gap Assembly)

Jig for disassembling



Disc lining and Auto-gap Unit can be disjoined by turning it to the right using spanner.

6-1. nDisjoint Disc lining and Auto-gap Unit together.

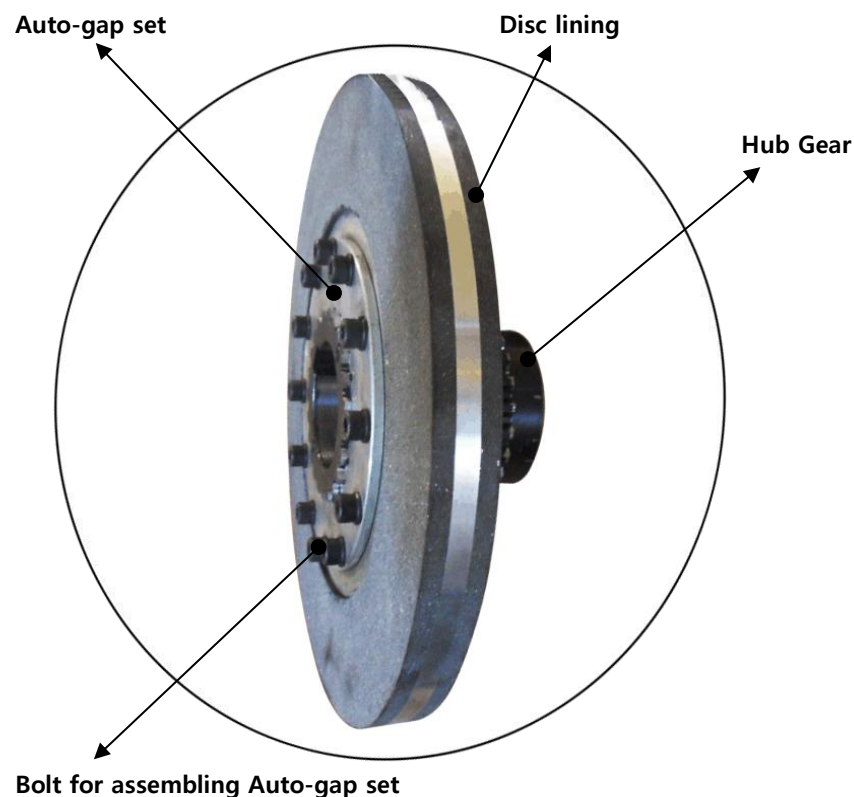


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Manual for Disassembling 4 of 5 (For assembling, follow the instruction in reverse order.)

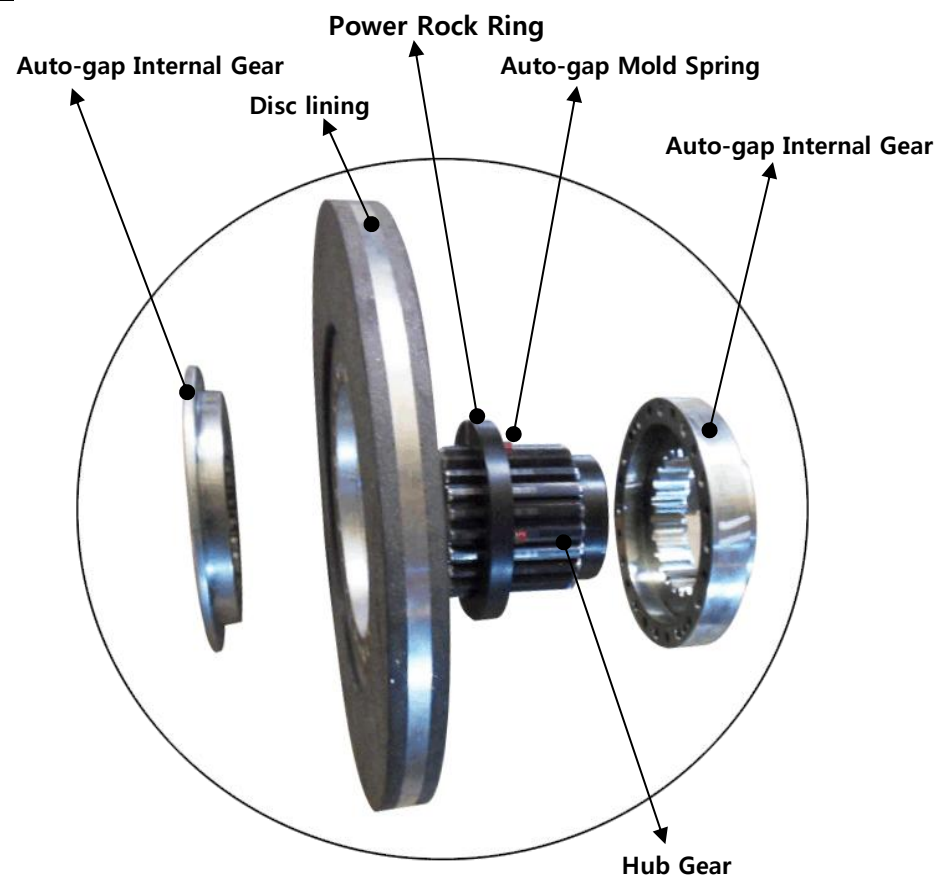
7 Disassembling disc lining and Auto-gap Unit

(Hub Gear + Disc lining + Auto-gap Assembly)



- 7-1. Re-assemble the disc lining & Auto-gap Unit that have been disassembled after cleansing the areas of lining, spline gear at the Hub Gear.
- 7-2. In case of Disc lining wear due to long period usage, adjust the gap by referring to the manual for gap adjustment.
- 7-3. For replacing Disc lining, follow the instruction on 8.

8 Disassembling and Replacing Disc lining

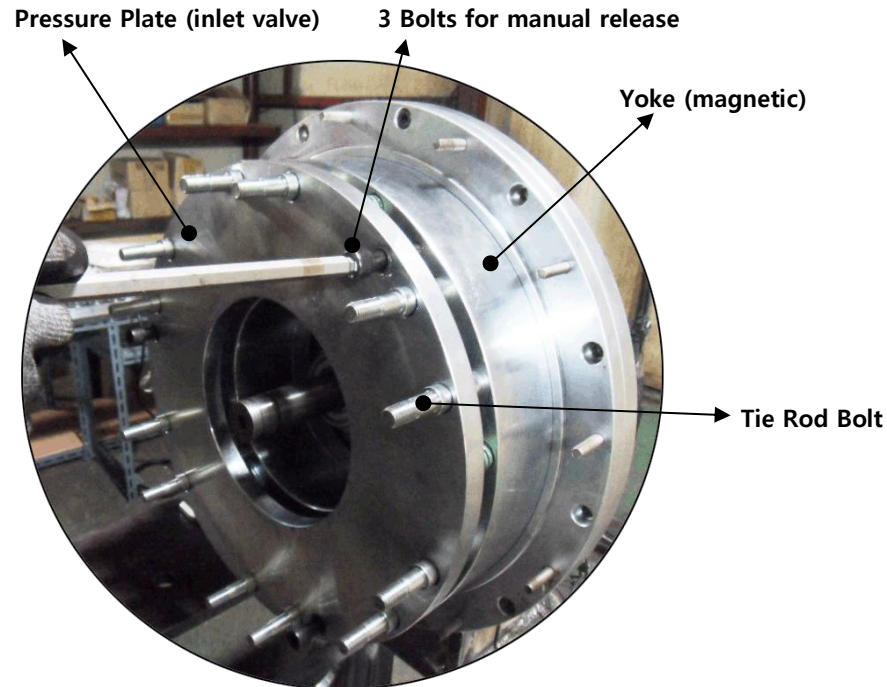


- 8-1. For additional disassembling, disassemble Auto-gap bolts located at both sides as shown above. Then, replace and assemble Disc lining.
※Note : When replacing the Disc lining, Auto-gap Mold Spring should not be bent.
(e.g. : It is recommended that the mold spring be assembled vertically.)
- 8-2. When re-assembling, dust or foreign substance should not get into Disc lining. Also, the Disc lining should be cleansed before assembling.

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Manual for Disassembling 5 of 5 (For assembling, follow the instruction in reverse order.)

9 Disassembling Pressure Plate (inlet valve)

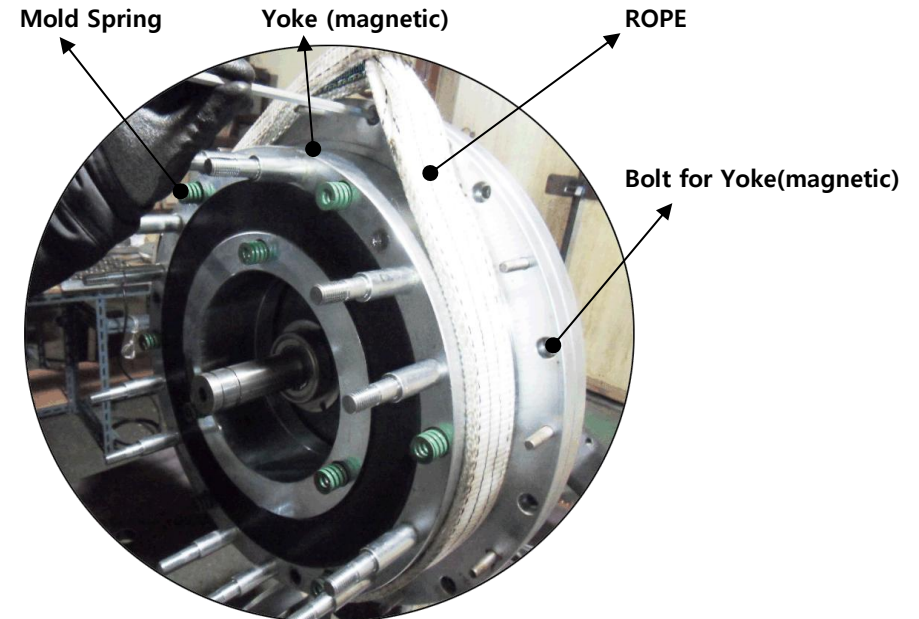


9-1. Remove three bolts.

※Note : Be careful not to lose the bolts.

9-2. Disjoint Pressure Plate (inlet valve)

10 Disassembling Yoke(magnetic)



10-1. Disjoint Yoke(magnetic) by loosening and disassembling the bolt shown above.

※ Note : Since lead wire can be shortened or damaged, check the wire when disassembling.

