

# HOVIS Lite

## Assembly Manual for Application Models

### 3DOF Gripper



Dongbu Robot

# Assembly Manual for Application Models of HOVIS Lite

## Part List for 3DOF Gripper

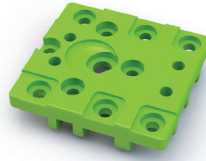
HOVIS Lite



**x3** DRS-0101  
HerkuleX Servo



**x3** DRB-0002  
Hand



**x9** DRB-0004  
Universal Plate



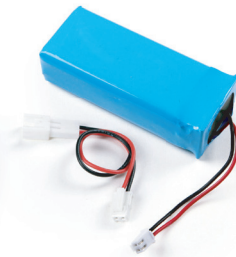
**x3** DRB-0011  
U4-type Bracket



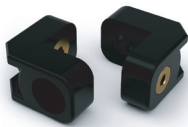
**x1** DRB-0007  
Battery Case & Holder



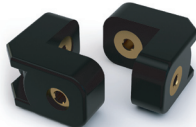
**x1** DRC-005T  
Controller



**x1** DRL-0728  
7.4V Li-Po Battery  
(3,000mAh)



**x14** DRJ-0001  
L-type Joint  
(Single Nut)



**x7** DRJ-0002  
L-type Joint  
(Double Nut)



**x12** DRJ-0009  
V-type Joint  
(12.0mm, Double Nut)



**x3** DRJ-0011  
Bushing Set

### 1:1 SCALE

**x12** DRA-0051  
Nut (M2)

**x50** DRA-0056  
Bolt (PH/M 2.0x4)

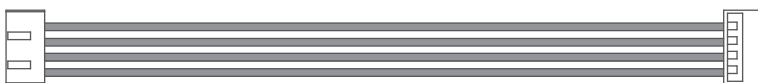
**x14** DRA-0058  
Bolt (PH/M 2.0x6)

**x12** DRA-0059  
Bolt (PH/M 2.0x8)

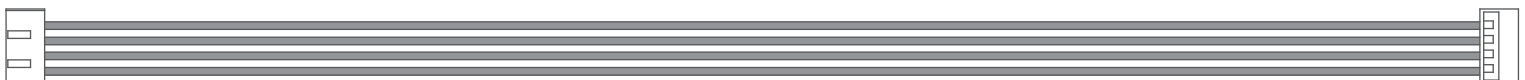
**x3** DRA-0062  
Bolt (PH/M 3.0x8)

**x9** DRA-0064  
Bolt (PH/T 2.0x5)

**x9** DRA-0069  
Hand Bolt (CH/T 1.7x4)



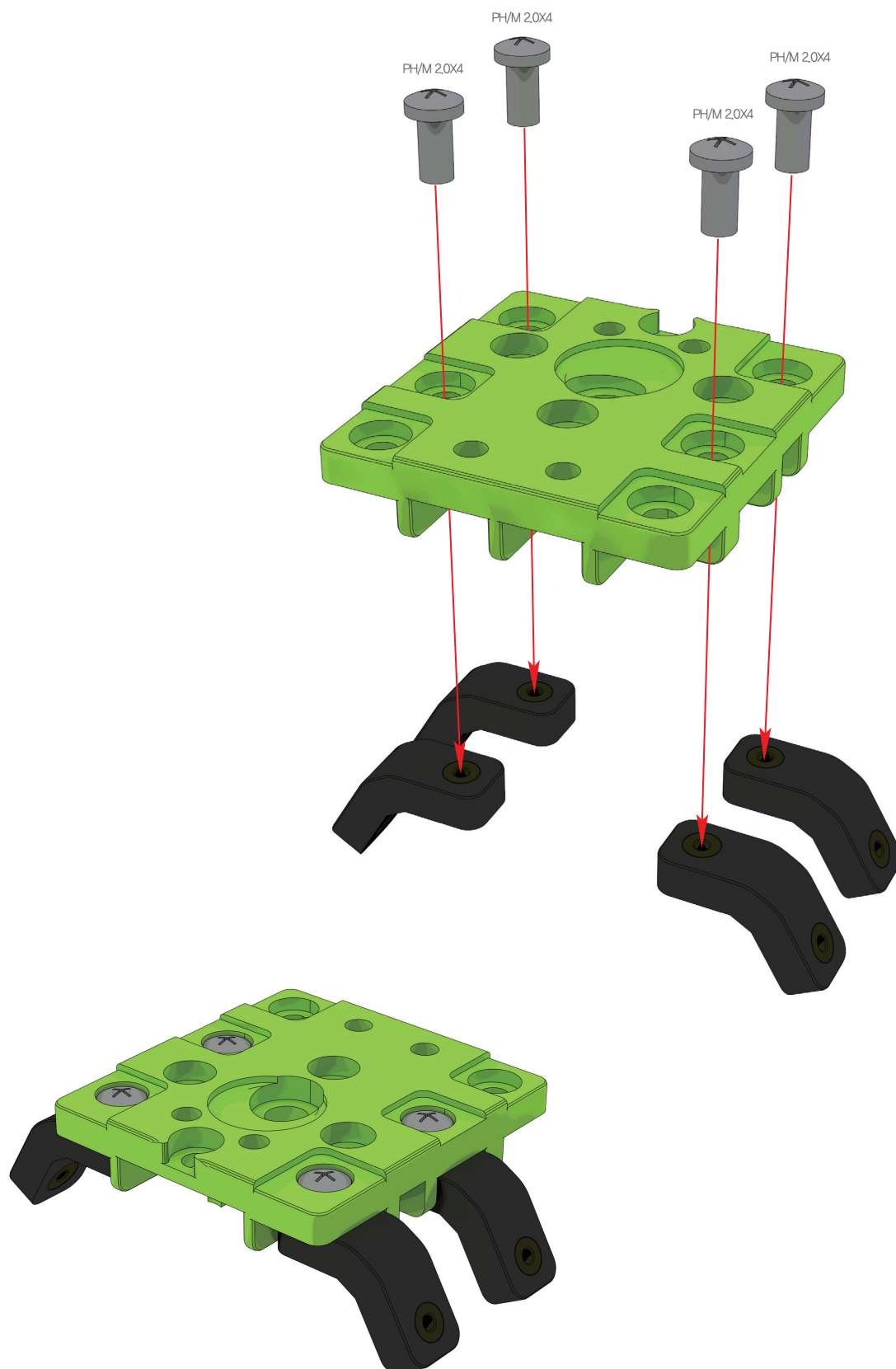
**x4** DRA-0003  
Harness (100mm)



**x6** DRA-0006  
Harness (200mm)

# Assembly Manual for Application Models of HOVIS Lite 3DOF Gripper

# HOVIS Lite



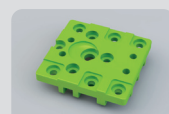
## Required Parts



**DRA-0056** 4ea  
Bolt (PH/M 2.0X4)

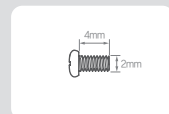


**DRJ-0009** 4ea  
V-type Joint  
(12.0mm, double Nut)



**DRB-0004** 1ea  
Universal Plate

## 1:1 SCALE

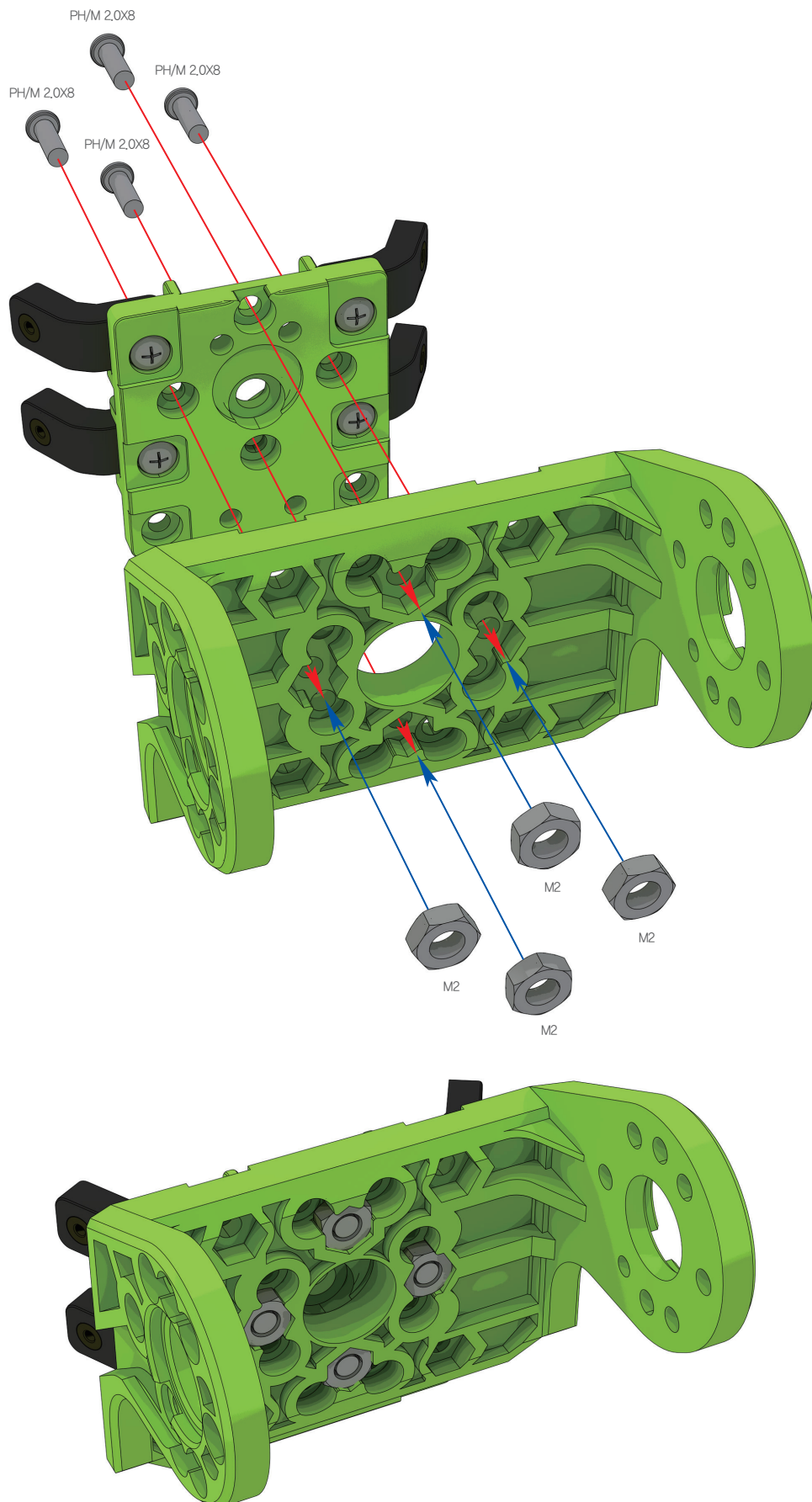


PH/M 2.0X4

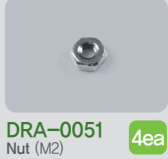
※ Assemble **another set** in the same manner. (Total 3 sets to be assembled.)

# Assembly Manual for Application Models of HOVIS Lite 3DOF Gripper

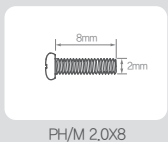
# HOVIS Lite



## Required Parts



## 1:1 SCALE

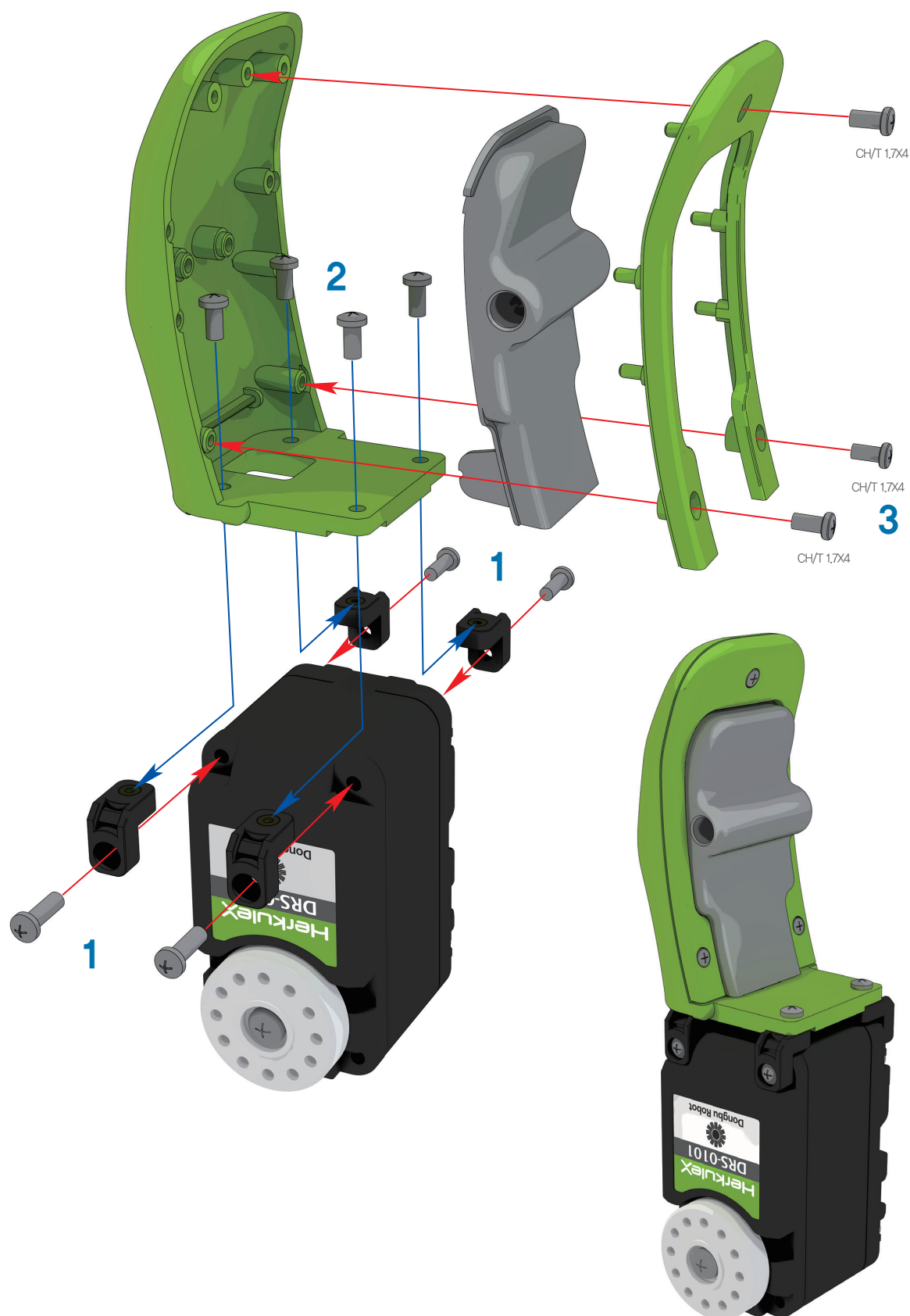


※ Assemble **another set** in the same manner. (Total 3 sets to be assembled.)



# Assembly Manual for Application Models of HOVIS Lite 3DOF Gripper

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## Required Parts



**DRS-0101**  
HerkuleX Servo 1ea



**DRB-0002**  
Hand 1ea



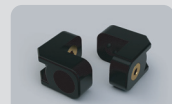
**DRA-0069**  
Bolt (CH/T 1.7X4) 3ea



**DRA-0056**  
Bolt (PH/M 2.0X4) 4ea

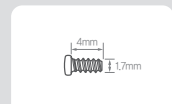


**DRA-0058**  
Bolt (PH/M 2.0X6) 4ea

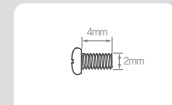


**DRJ-0001**  
L-type Joint  
(Single Nut) 4ea

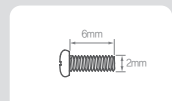
## 1:1 SCALE



CH/T 1.7X4



PH/M 2.0X4



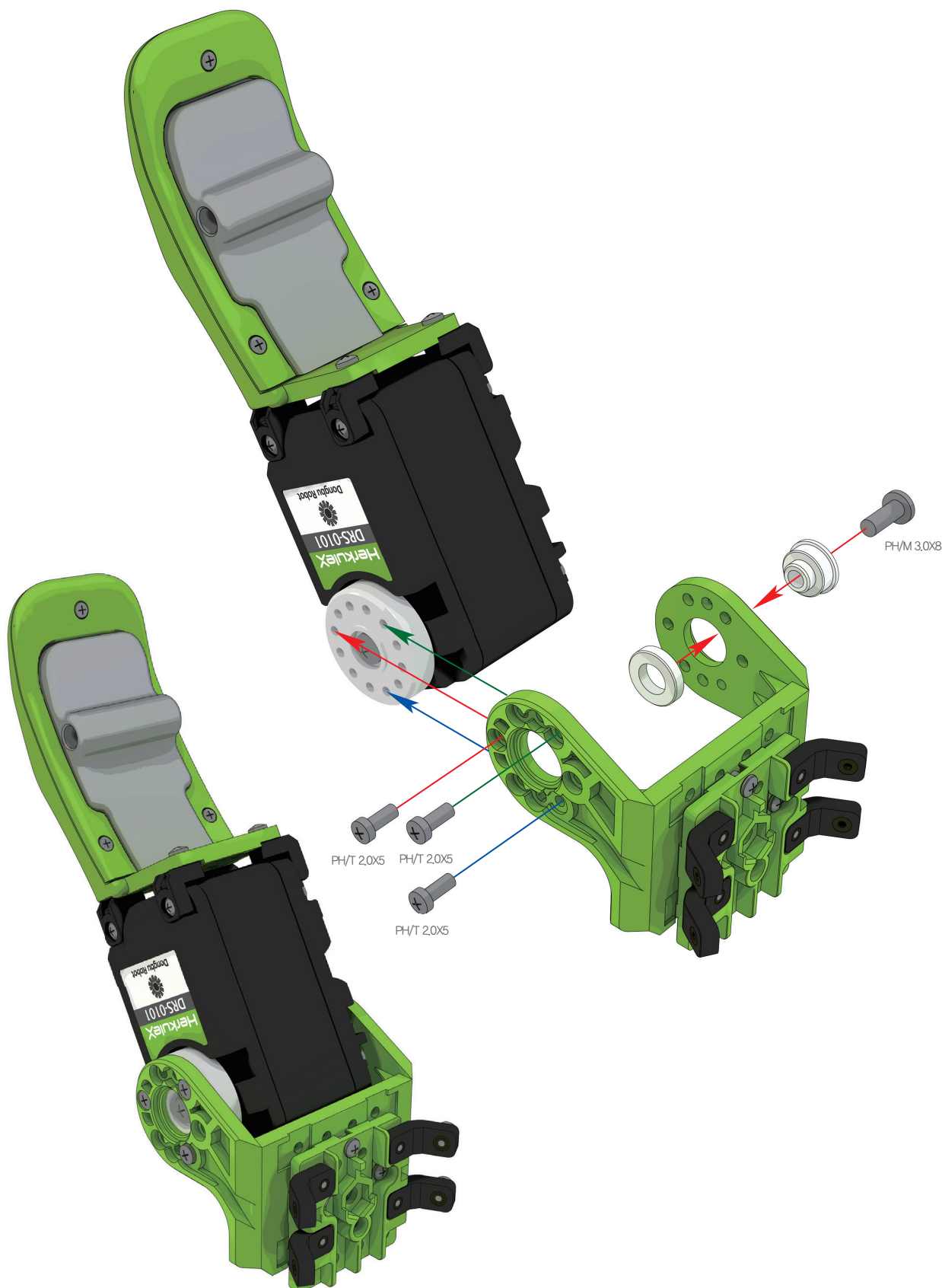
PH/M 2.0X6

※ Assemble **another set** in the same manner. (Total 3 sets to be assembled.)

※ Please assemble carefully according to assembly procedure.

# Assembly Manual for Application Models of HOVIS Lite 3DOF Gripper

# HOVIS Lite



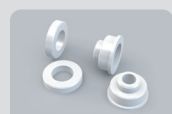
## Required Parts



**DRA-0062**  
Bolt (PH/M 3.0x8) **1ea**

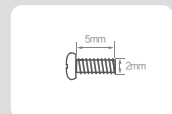


**DRA-0064**  
Bolt (PH/T 2.0x5) **3ea**

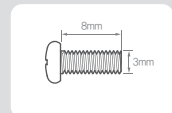


**DRJ-0011**  
Bushing Set **1ea**

## 1:1 SCALE



PH/T 2.0x5



PH/M 3.0x8

※ Assemble **another set** in the same manner. (Total 3 sets to be assembled.)


# Assembly Manual for Application Models of HOVIS Lite

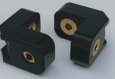
## 3DOF Gripper

HOVIS Lite

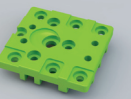
## Required Parts



**DRA-0056**   
Bolt (PH/M 2.0X4)



**DRJ-0002**  
L-type Joint  
(Double Nut)

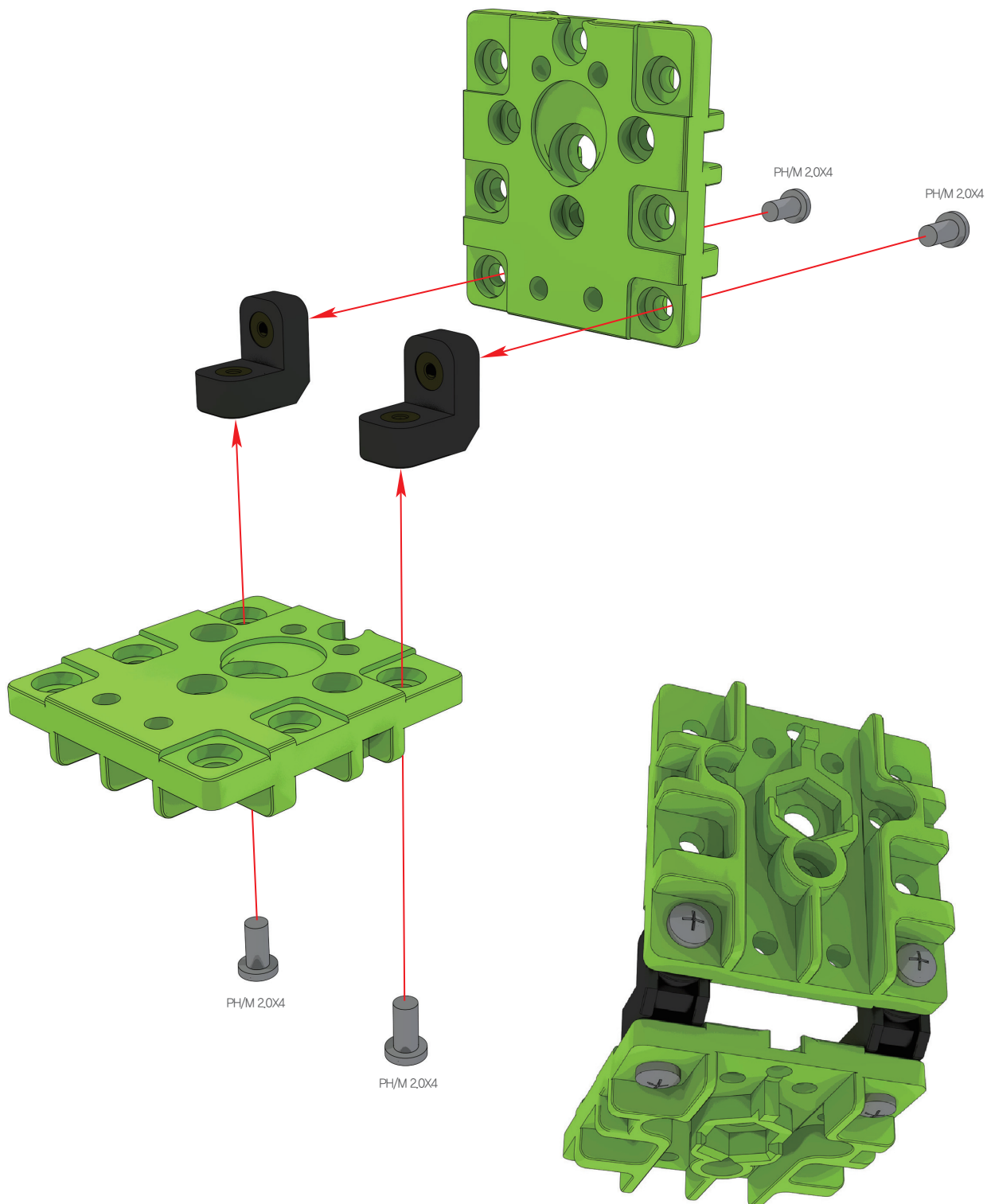


DRB-0004  
Universal Plate

1:1 SCALE



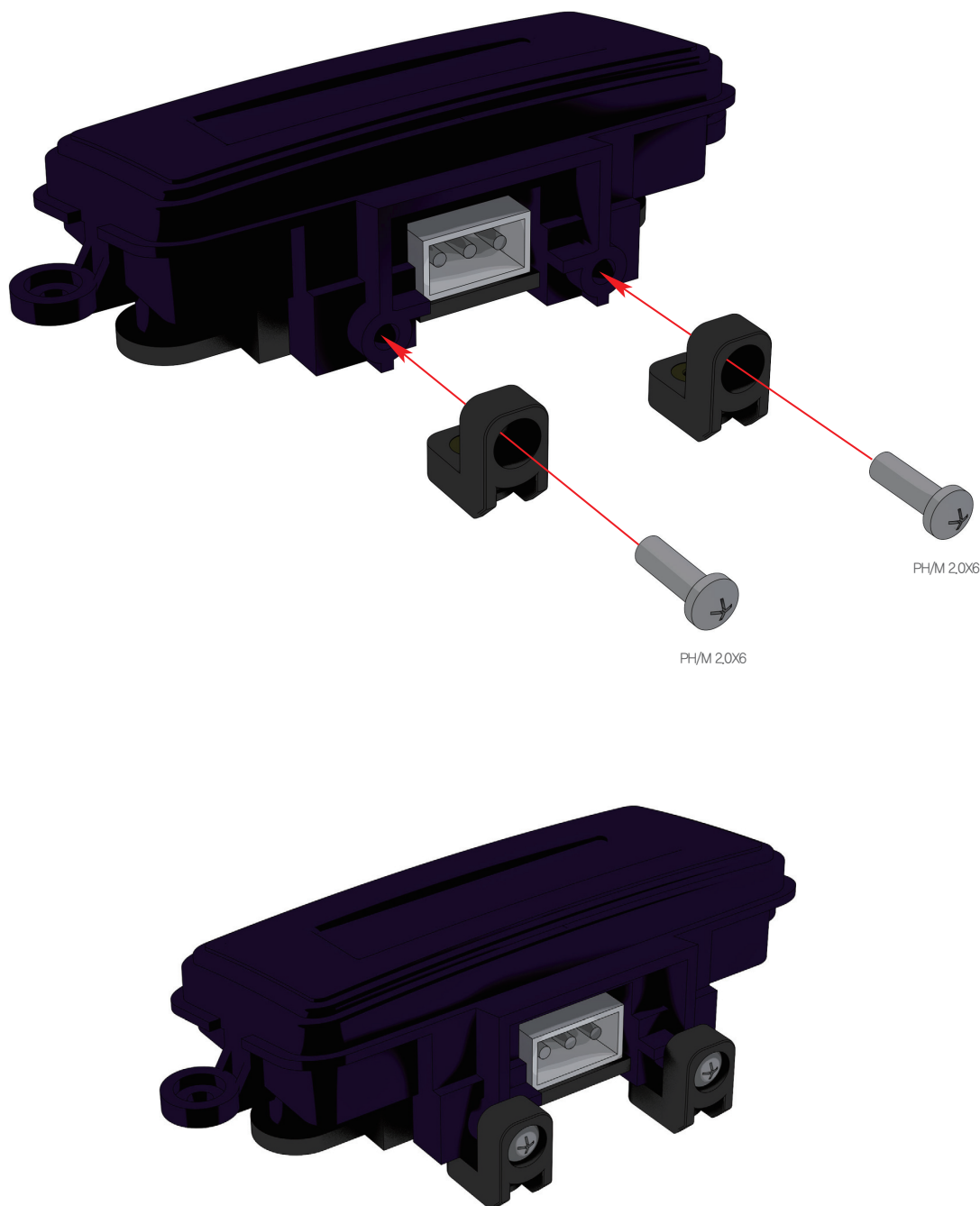
PH/M 2.0X4



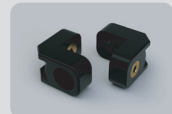
※ Assemble **another set** in the same manner. (Total 3 sets to be assembled.)

# Assembly Manual for Application Models of HOVIS Lite 3DOF Gripper

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## Required Parts



DRJ-0001  
L-type Joint  
(Single Nut)

2ea



DRA-0058  
Bolt (PH/M 2.0x6)

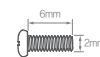
2ea



PSD Sensor

1ea

## 1:1 SCALE



PH/M 2.0x6



# Assembly Manual for Application Models of HOVIS Lite 3DOF Gripper

# HOVIS Lite

## Required Parts

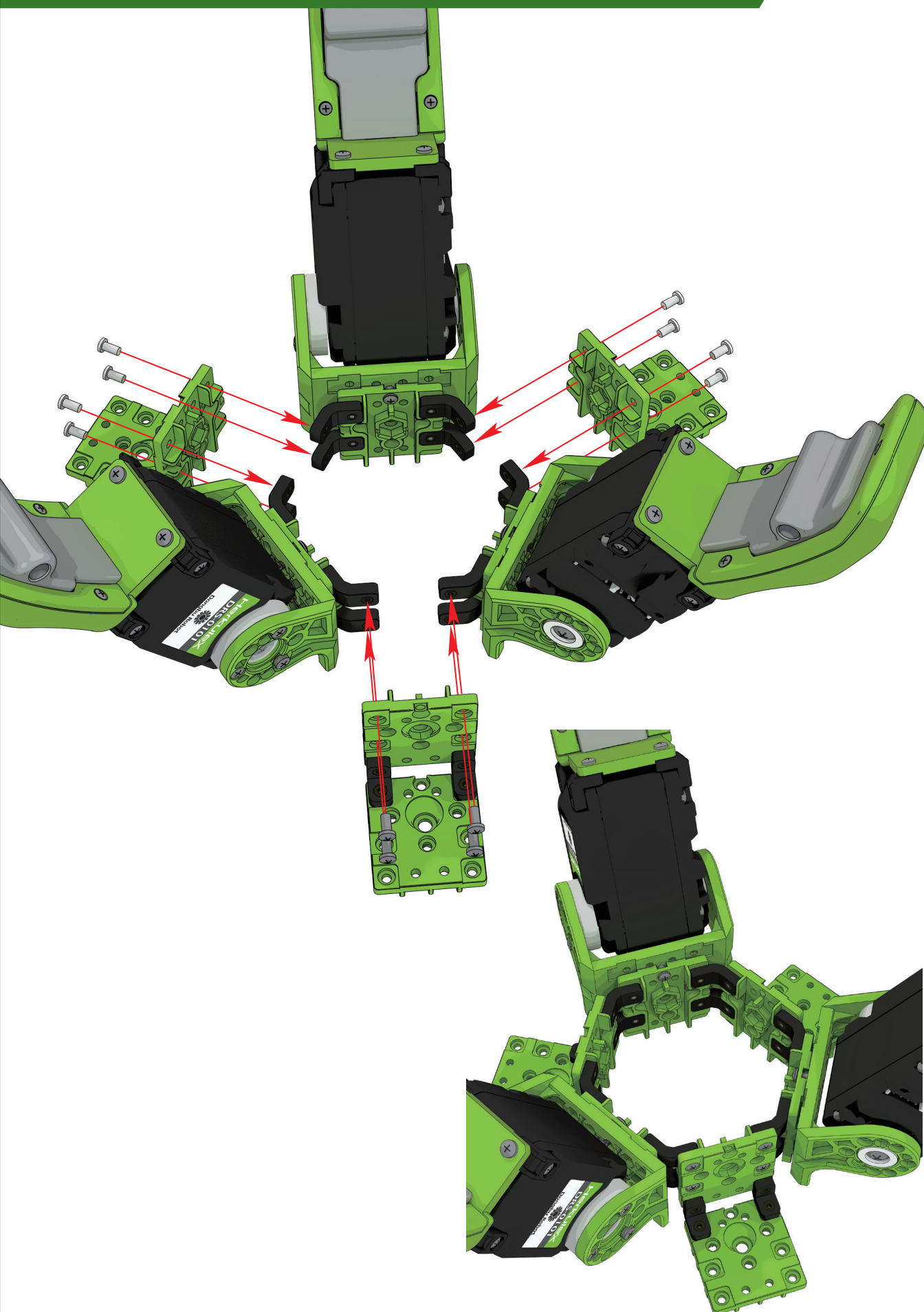


DRA-0056  
Bolt (PH/M 2.0X4) 12ea

## 1:1 SCALE



PH/M 2.0X4



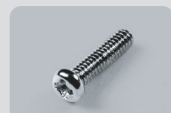
# Assembly Manual for Application Models of HOVIS Lite 3DOF Gripper

# HOVIS Lite

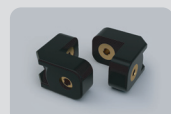
## Required Parts



**DRA-0056**  
Bolt (PH/M 2.0x4) **2ea**

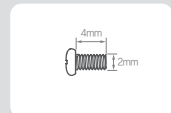


**DRA-0059**  
Bolt (PH/M 2.0x8) **2ea**

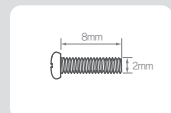


**DRJ-0002**  
L-type Joint  
(Double Nut) **1ea**

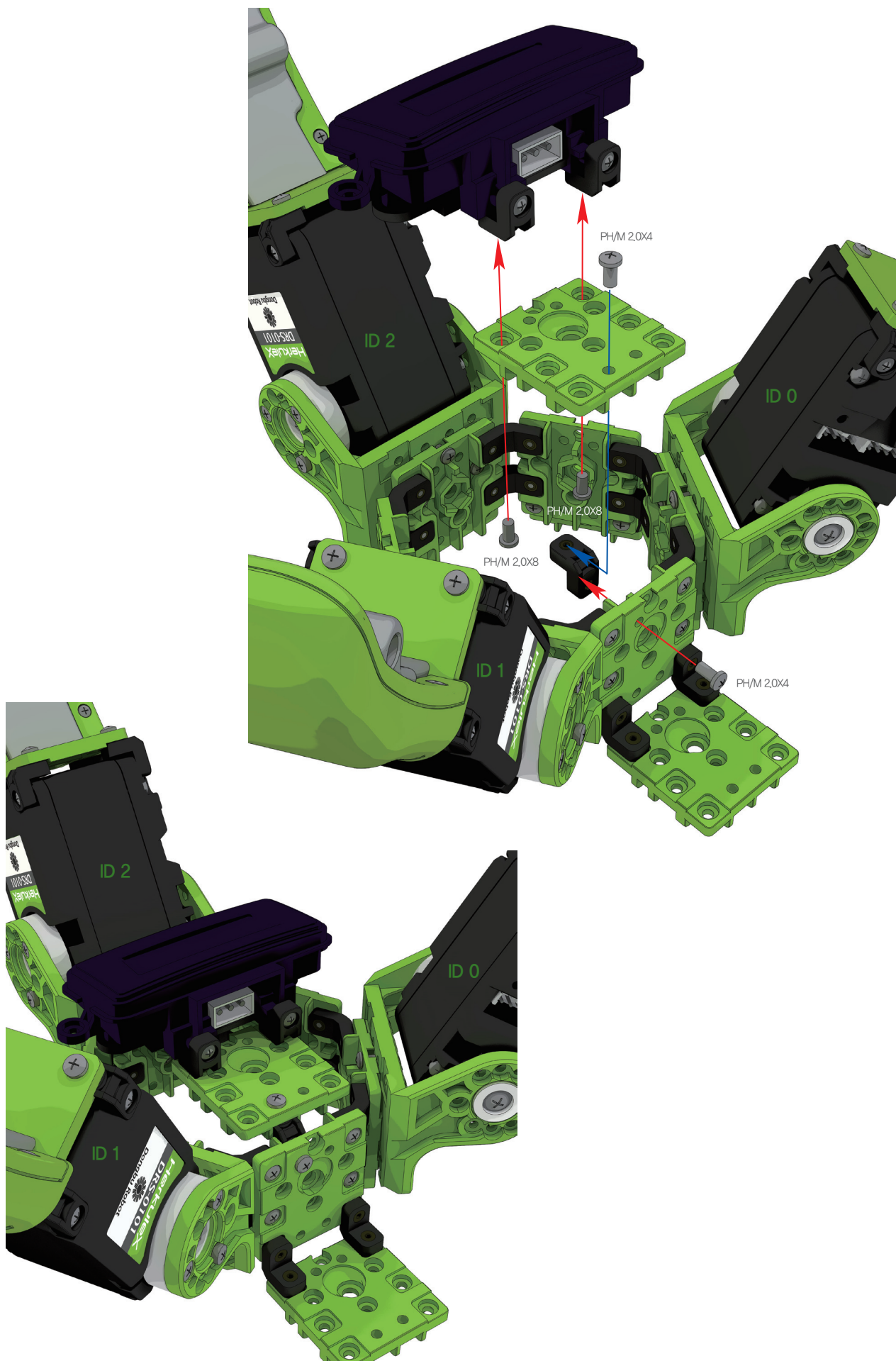
## 1:1 SCALE



PH/M 2.0x4

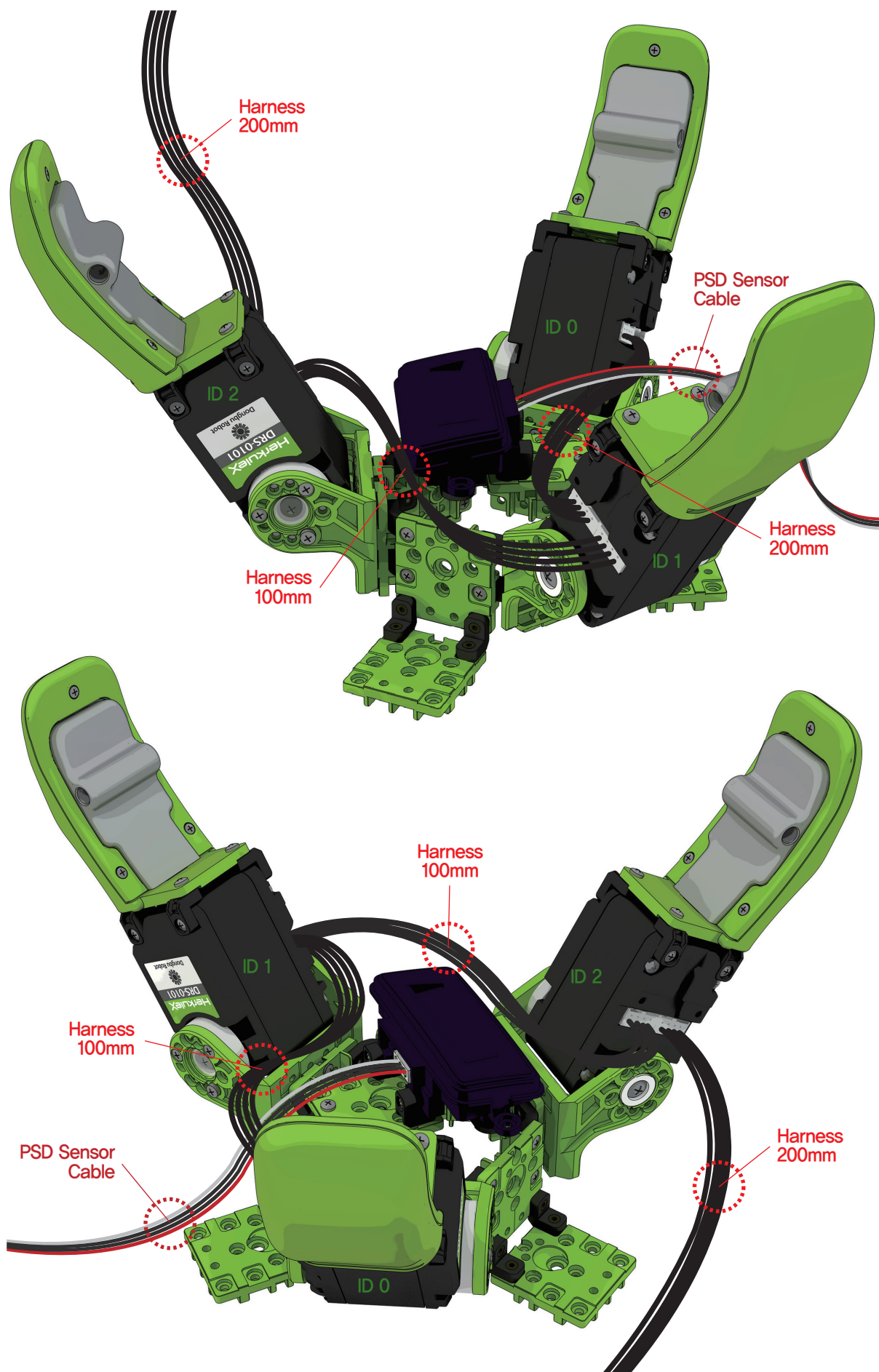


PH/M 2.0x8



# Assembly Manual for Application Models of HOVIS Lite 3DOF Gripper

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## Required Parts



DRA-0003  
Harness (100mm) 2ea



DRA-0006  
Harness (200mm) 1ea



PSD Sensor  
Cable 1ea



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# HOVIS Lite

## Required Parts



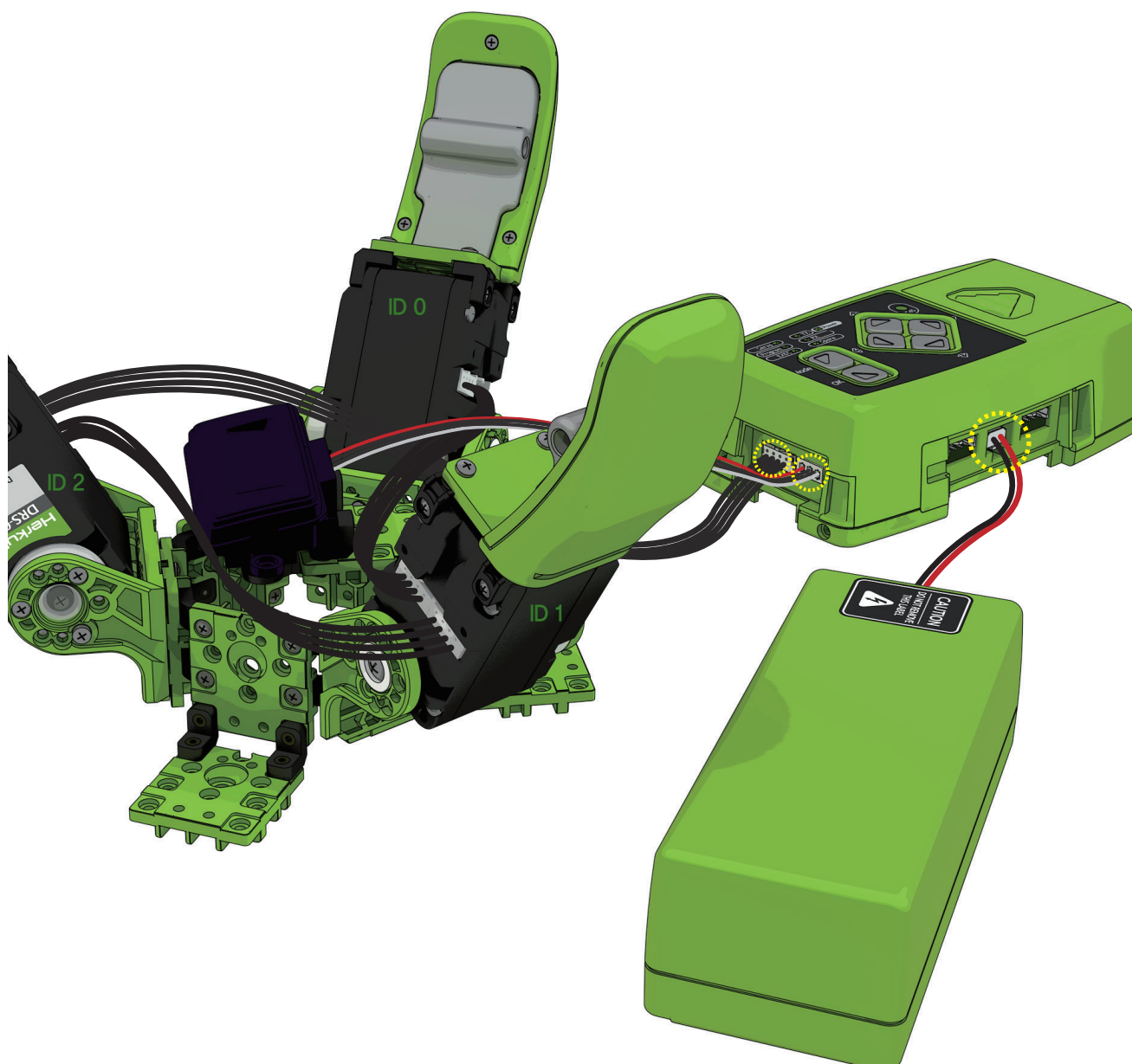
DRC-005T  
Controller 1ea



DRB-0007  
Battery Case 1ea



DRL-0728  
7.4V Li-Po Battery  
(3,000mAh) 1ea



Completion