

HOVIS Lite

Assembly Manual for Application Models

7DOF Dump truck



Dongbu Robot

Assembly Manual for Application Models of HOVIS Lite

Part List for 7DOF Dump truck

HOVIS Lite



ID
2

x1 DRS-0101
HerkuleX Servo
(with Horn)



ID
0
~
ID
6

x6 DRS-0101
HerkuleX Servo
(without Horn)



x3 DRB-0001
Front / Back



x33 DRB-0004
Universal Plate



x1 DRB-0011
U4-type Bracket



x1 DRB-0007
Battery Case & Holder



x1 DRC-005T
Controller



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



x1 DRI-0004
IR Receiver



x1 DRI-0008
PSD Sensor



x4 DCW-0001
Wheel (White, Ø60)



x52 DRJ-0001
L-type Joint
(Single Nut)



x4 DRJ-0002
L-type Joint
(Double Nut)



x12 DRJ-0003
L-type Joint
(Hole only)



x30 DRJ-0006
I-type Joint
(12.5mm, Double Nut)



x1 DRJ-0011
Bushing Set



x2 DRH-1001
Horn (Plastic)

1:1 SCALE



x4 DRA-0051
Nut (M2)



x8 DRA-0054
Bolt (PH/M 2.0x13)



x18 DRA-0056
Bolt (PH/M 2.0x4)



x106 DRA-0058
Bolt (PH/M 2.0x6)



x22 DRA-0059
Bolt (PH/M 2.0x8)



x1 DRA-0062
Bolt (PH/M 3.0x8)



x11 DRA-0064
Bolt (PH/T 2.0x5)



x6 DRA-0067
Horn Bolt
(BH/T 2.6x8)



x6 DRA-0003
Harness (100mm)



x1 DRA-0006
Harness (200mm)

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite

Required Parts



DRA-0056
Bolt (PH/M 2.0x4) **4ea**



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

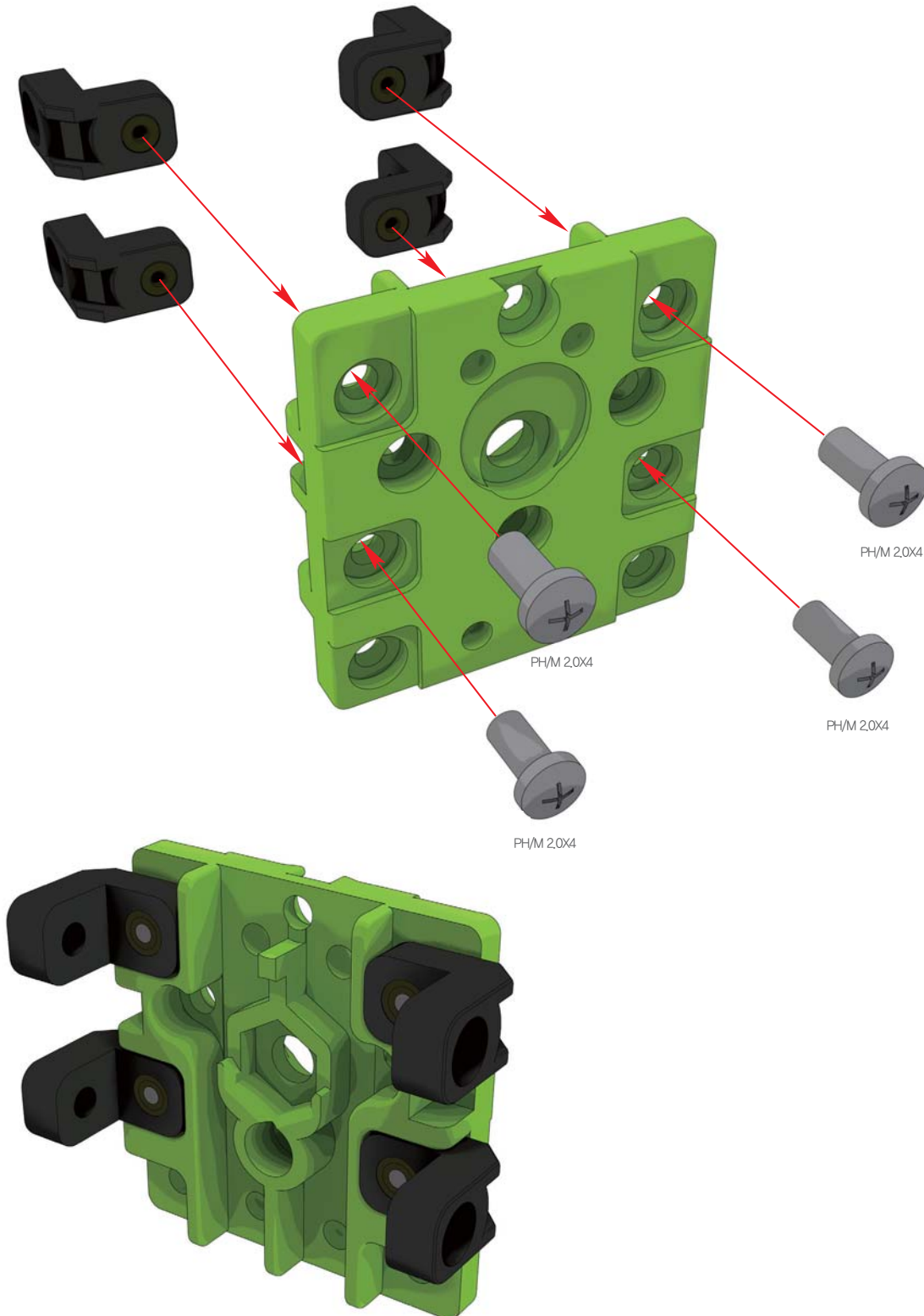


DRB-0004
Universal Plate **1ea**

1:1 SCALE



PH/M 2.0x4



※ Assemble **another set** in the same manner. (Total 2 sets to be assembled.)

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite

Required Parts



DRA-0056
Bolt (PH/M 2.0X4) **2ea**



DRJ-0003
L-type Joint
(Hole only) **2ea**

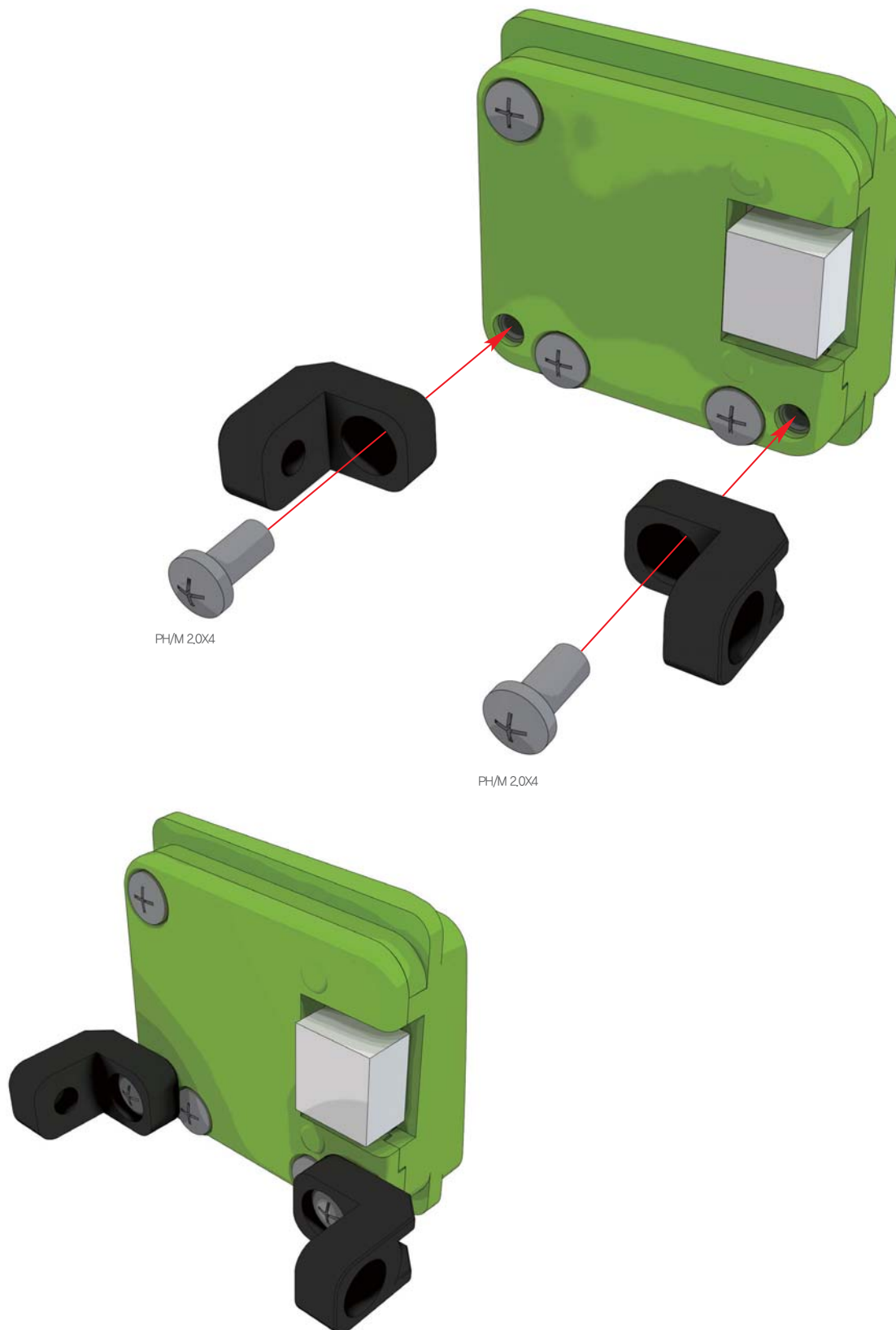


DRI-0004
IR Receiver **1ea**

1:1 SCALE

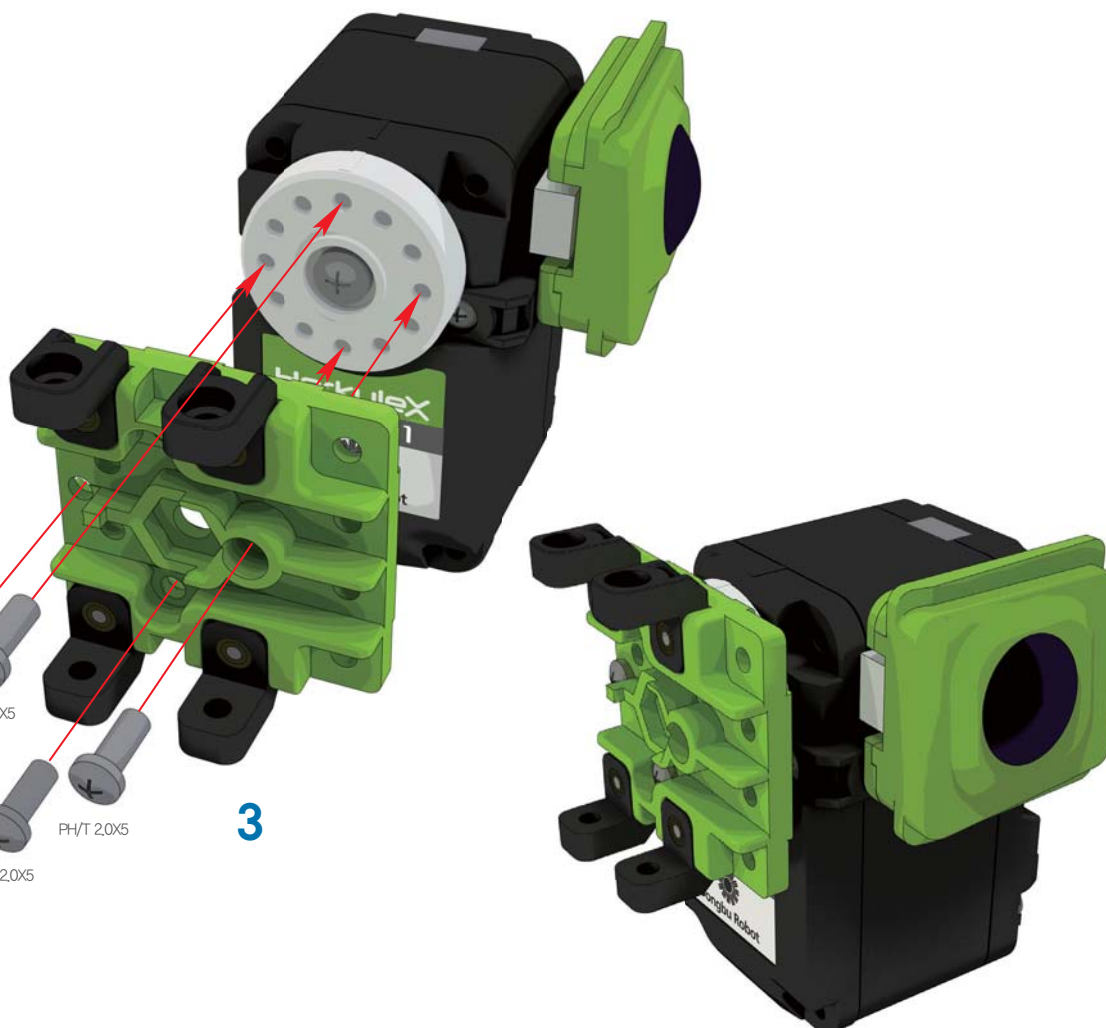


PH/M 2.0X4

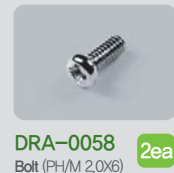
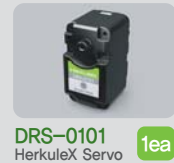


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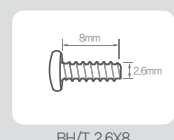
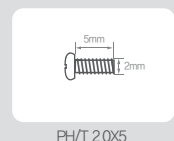
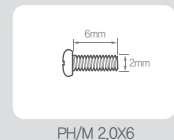
HOVIS Lite



Required Parts



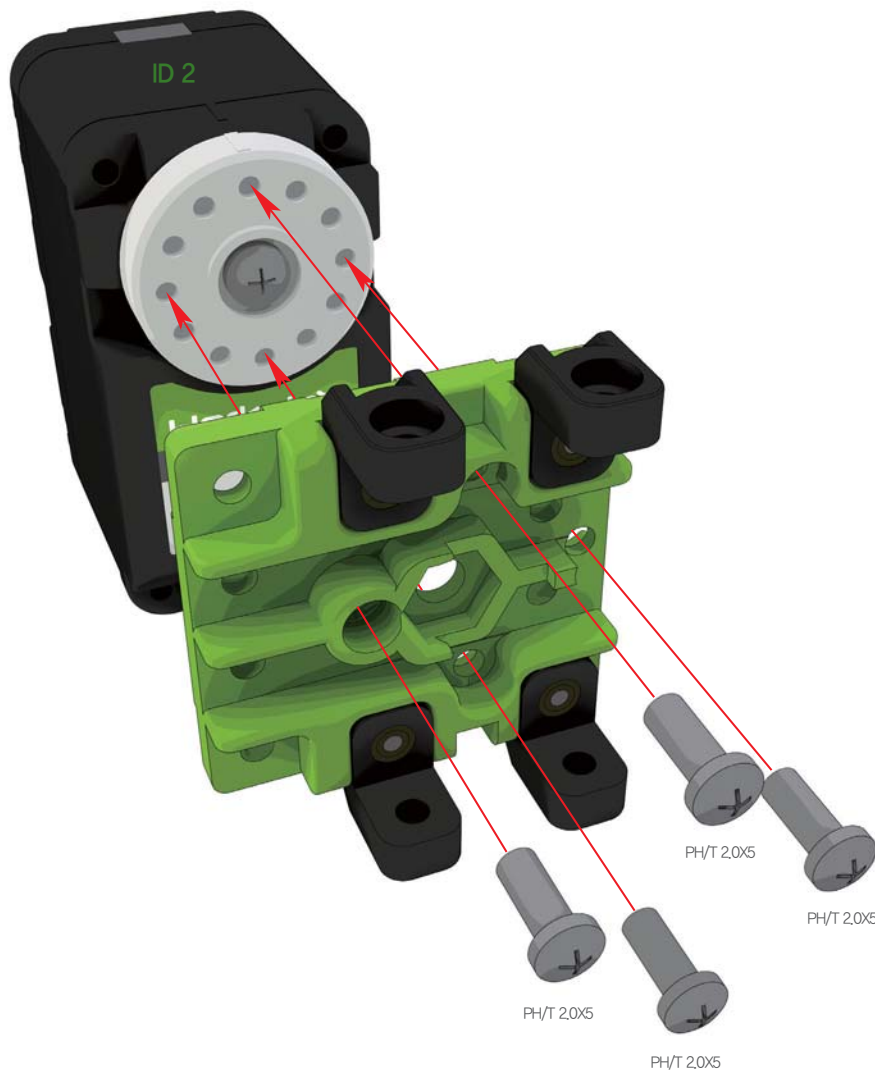
1:1 SCALE



- ※ Attach IR receiver assembly to the servo ID 0 prior to installing horn and the horn bolt.
- ※ Make sure to follow the assembly sequence in correct order.

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Required Parts



DRS-0101
HerkuleX Servo 1ea



DRA-0064
Bolt (PH/T 2.0x5) 4ea

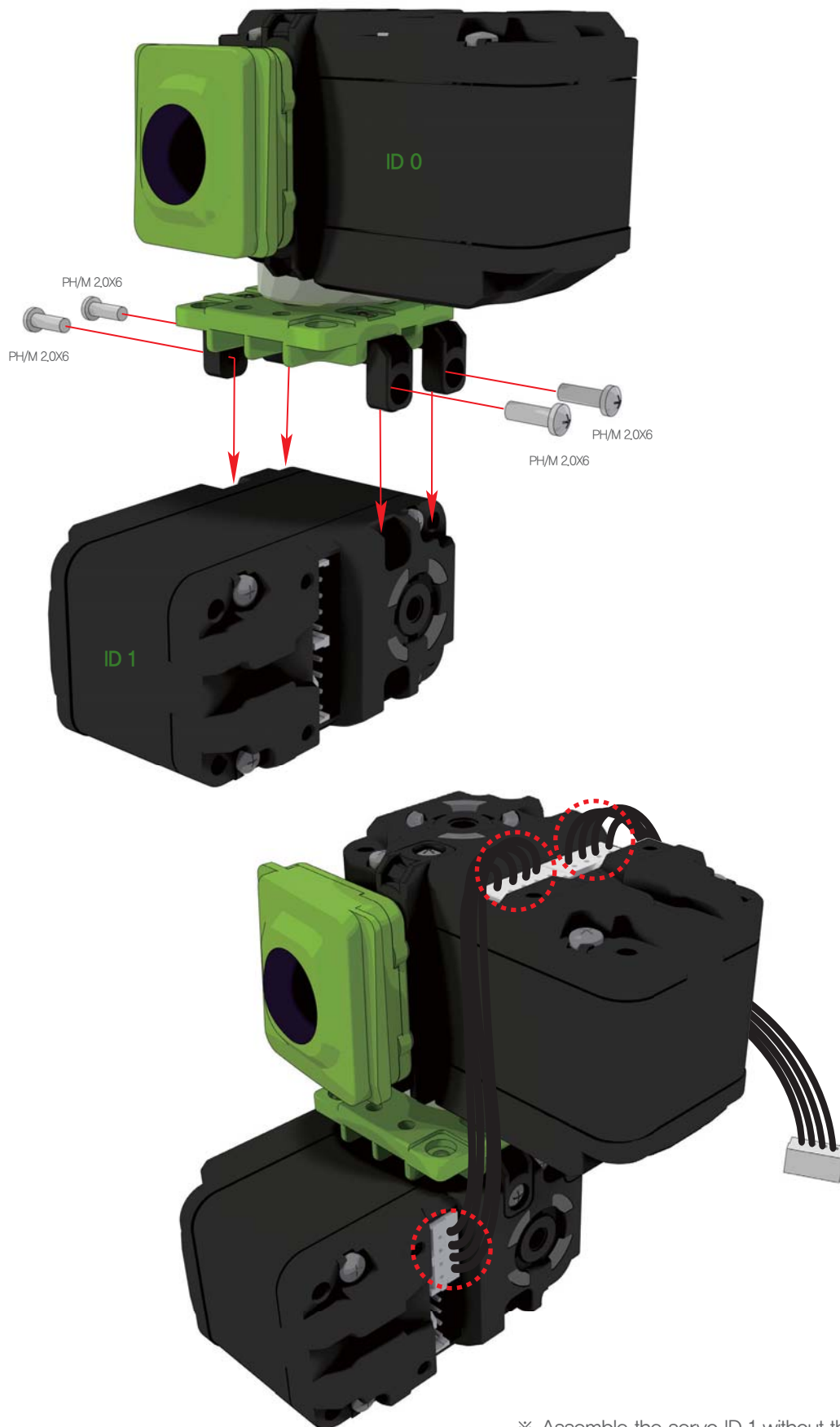
1:1 SCALE



PH/T 2.0x5

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite



Required Parts



DRS-0101
HerkuleX Servo 1ea

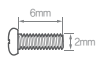


DRA-0058
Bolt (PH/M 2.0x6) 4ea



DRA-0003
Harness (100mm) 2ea

1:1 SCALE

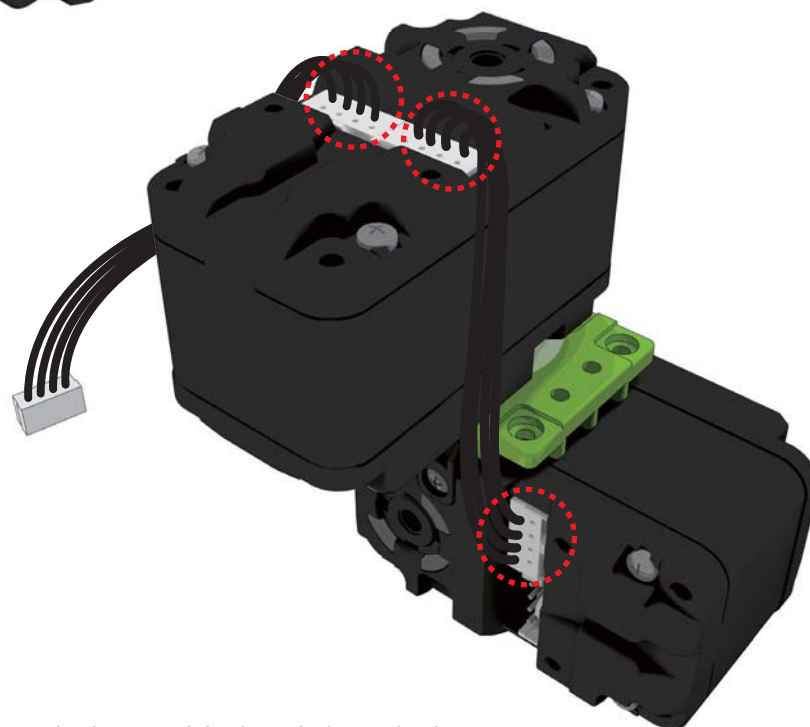
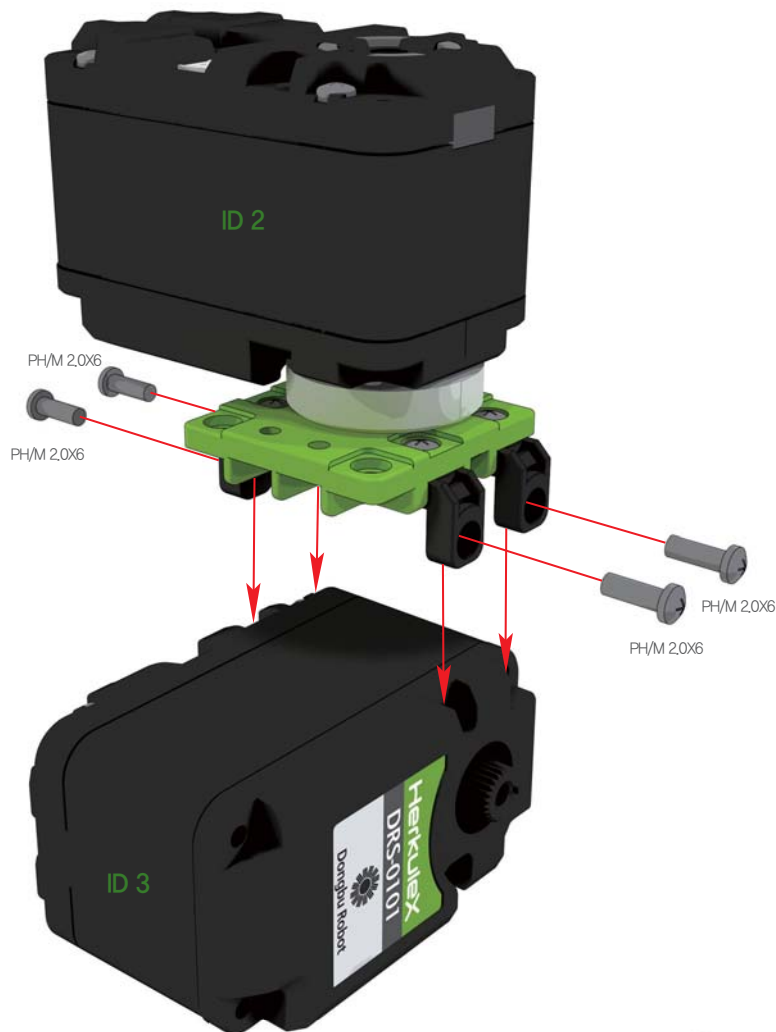


PH/M 2.0x6

※ Assemble the servo ID 1 without the horn and horn bolt attached.

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HOVIS Lite



Required Parts



DRS-0101
HerkuleX Servo **1ea**

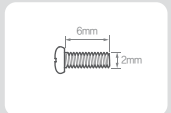


DRA-0058
Bolt (PH/M 2.0x6) **4ea**



DRA-0003
Harness (100mm) **2ea**

1:1 SCALE



PH/M 2.0x6

※ Assemble the servo ID 3 without the horn and the horn bolt attached.

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HOVIS Lite

Required Parts



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



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

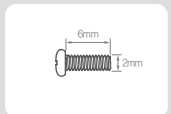


DRB-0001 1ea

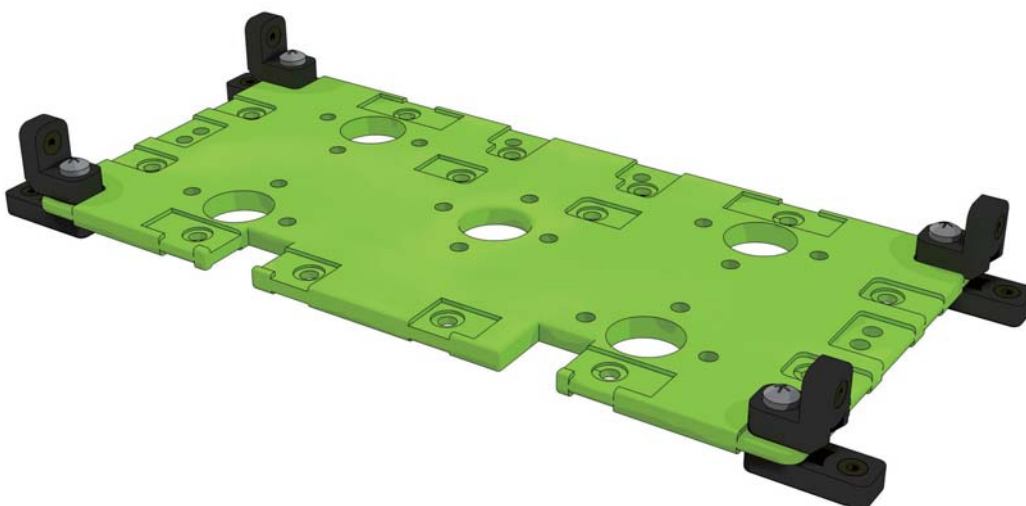
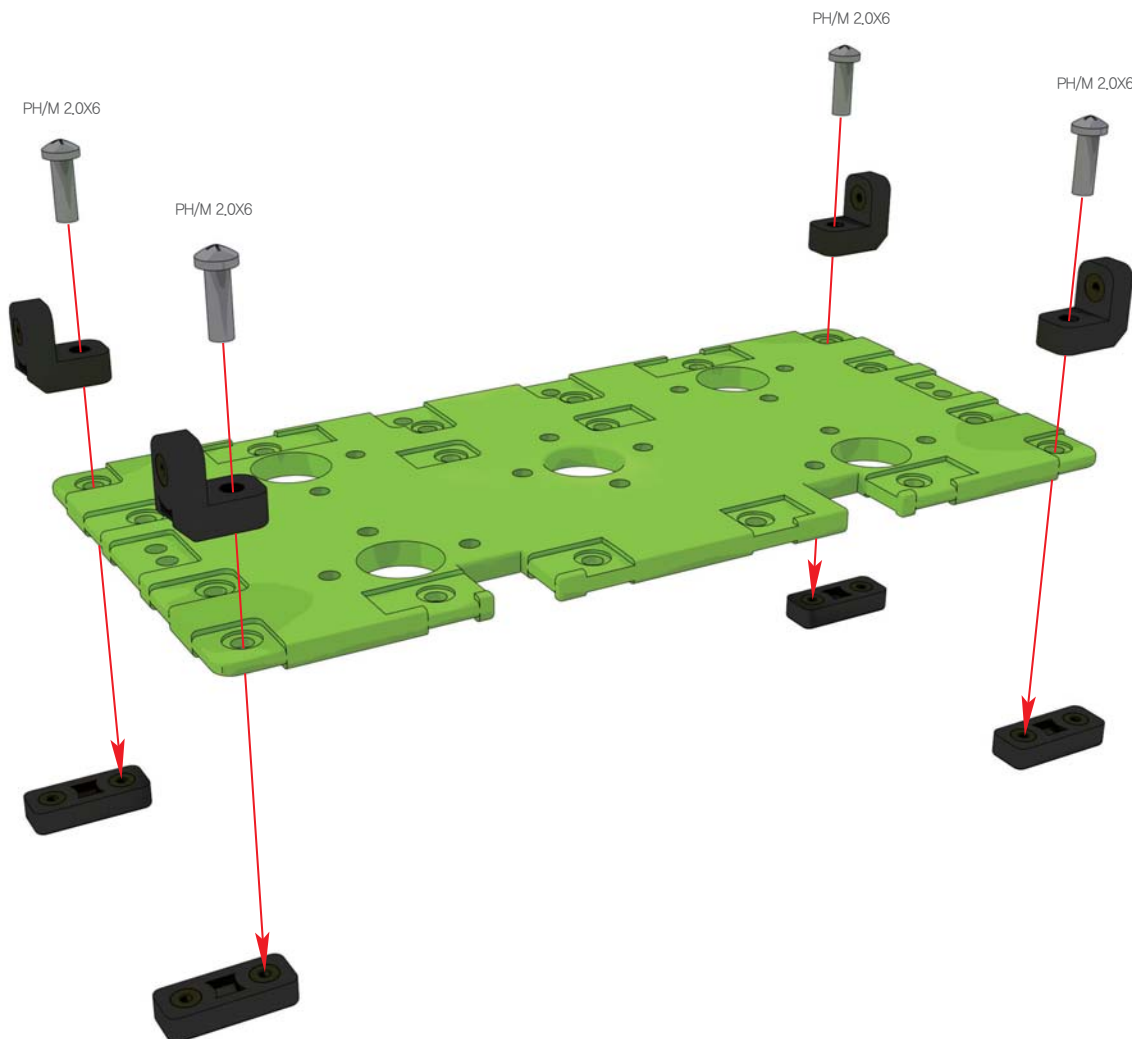


DRJ-0006 2ea
I-type Joint
(12.5mm, Double Nut)

1:1 SCALE

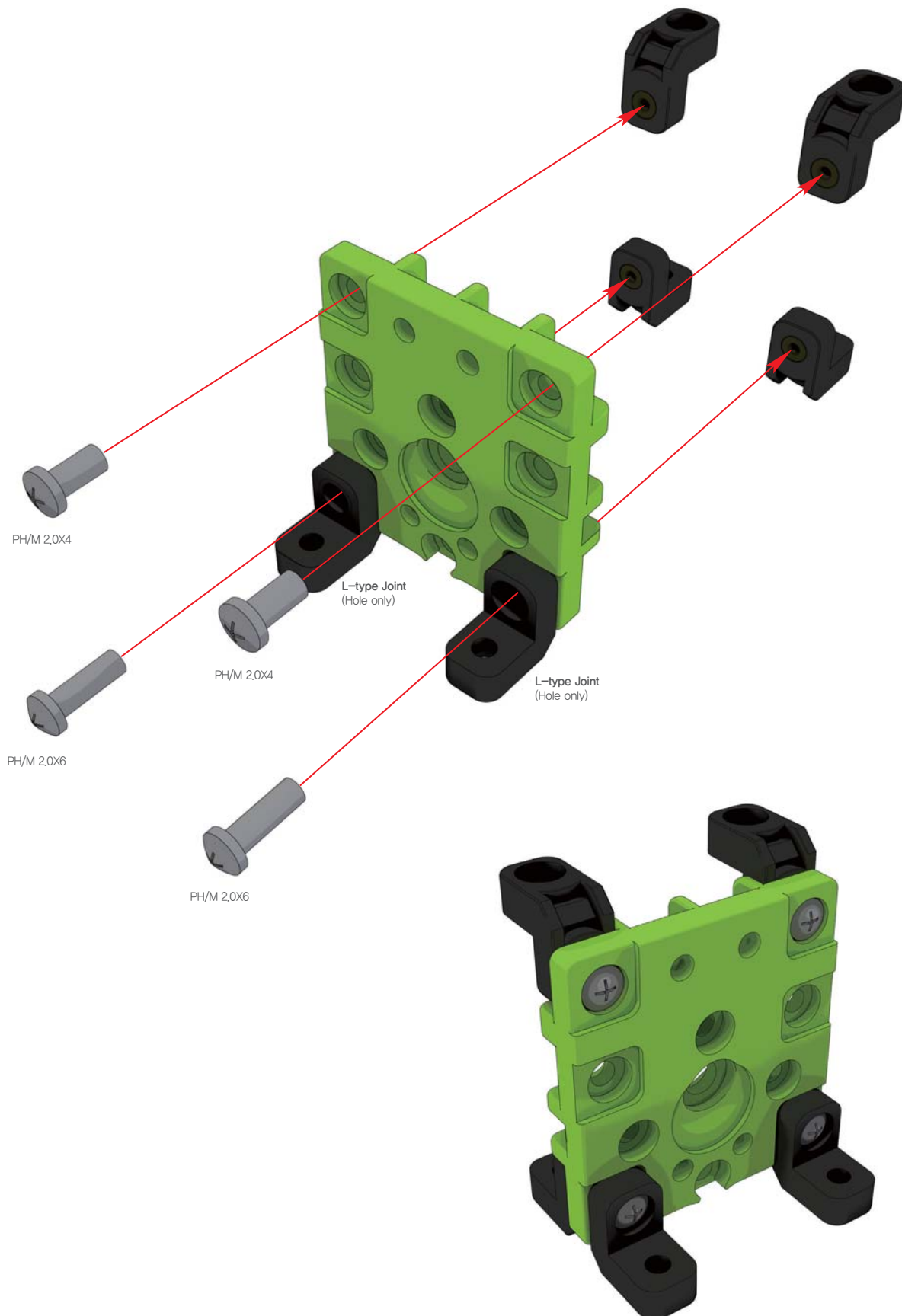


PH/M 2.0X6

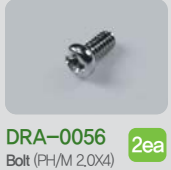


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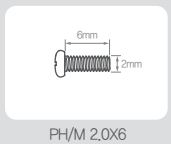
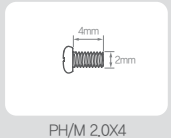
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Required Parts



1:1 SCALE



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HOVIS Lite

Required Parts



DRA-0059
Bolt (PH/M 2.0x8) **4ea**

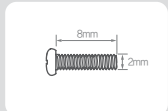


DRJ-0001
L-type Joint
(Single Nut) **8ea**

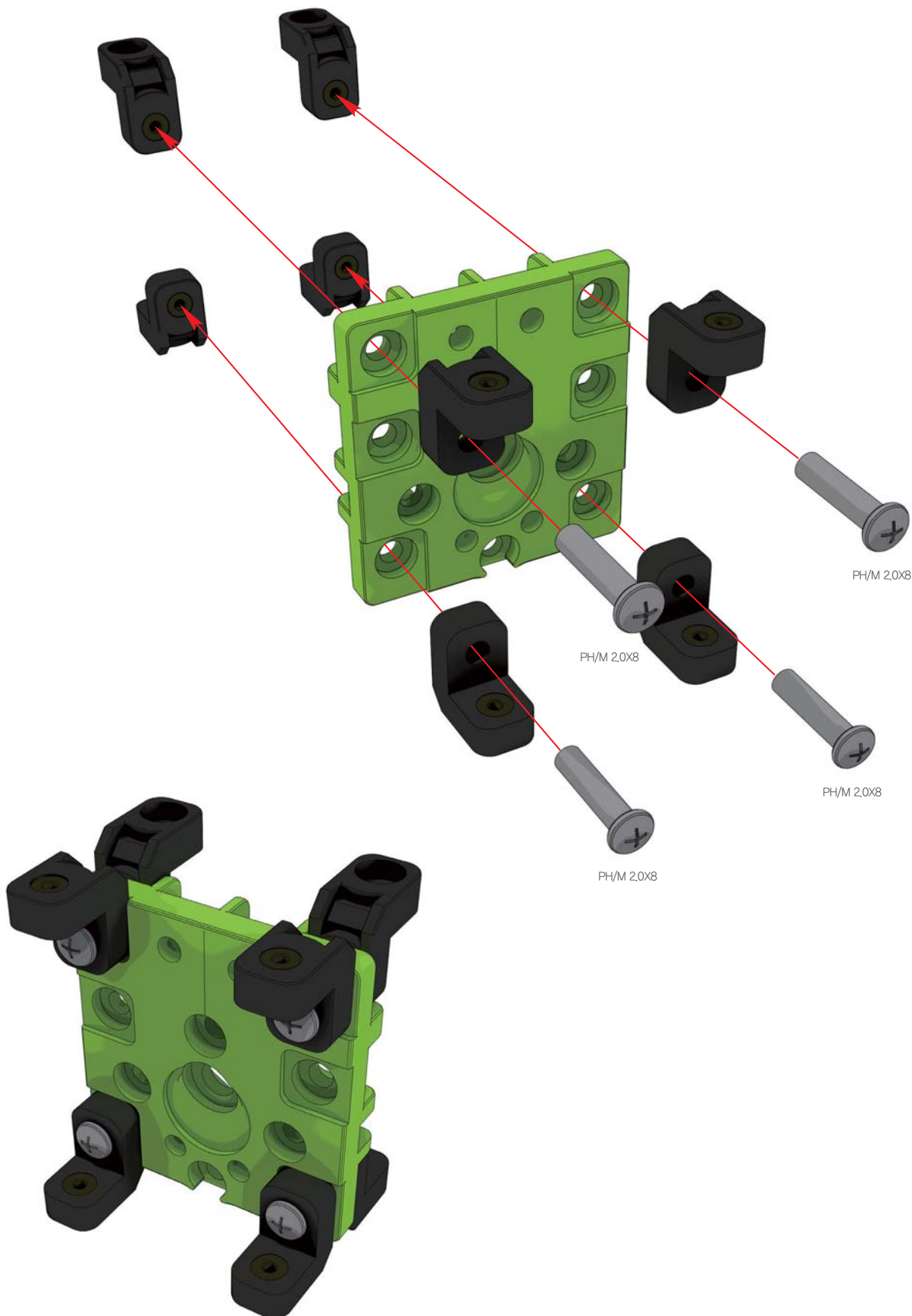


DRB-0004
Universal Plate **1ea**

1:1 SCALE

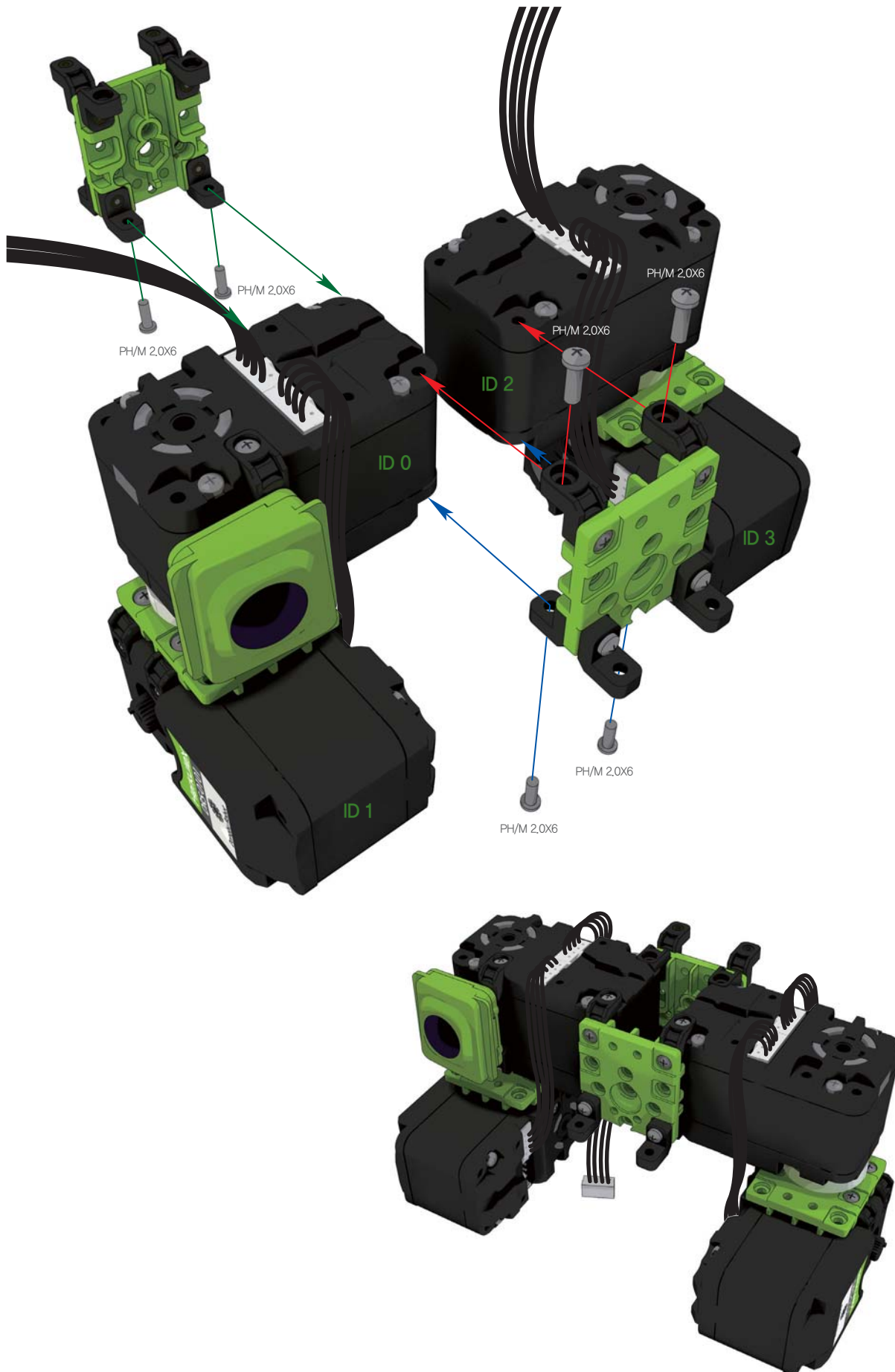


PH/M 2.0x8



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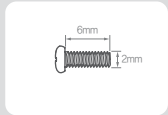


Required Parts



DRA-0058
Bolt (PH/M 2.0X6) **6ea**

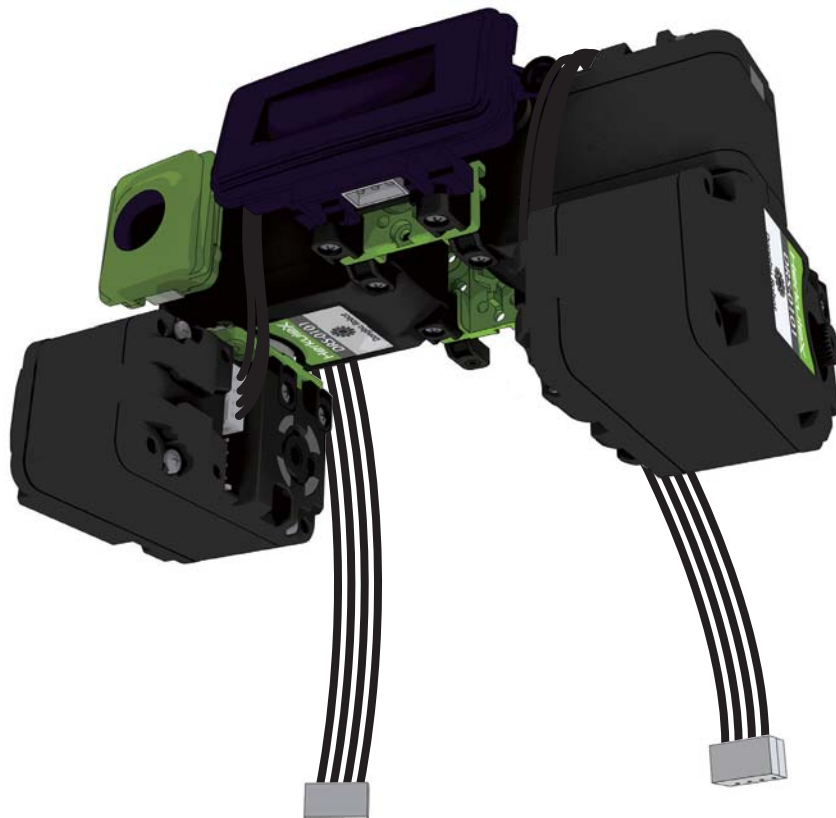
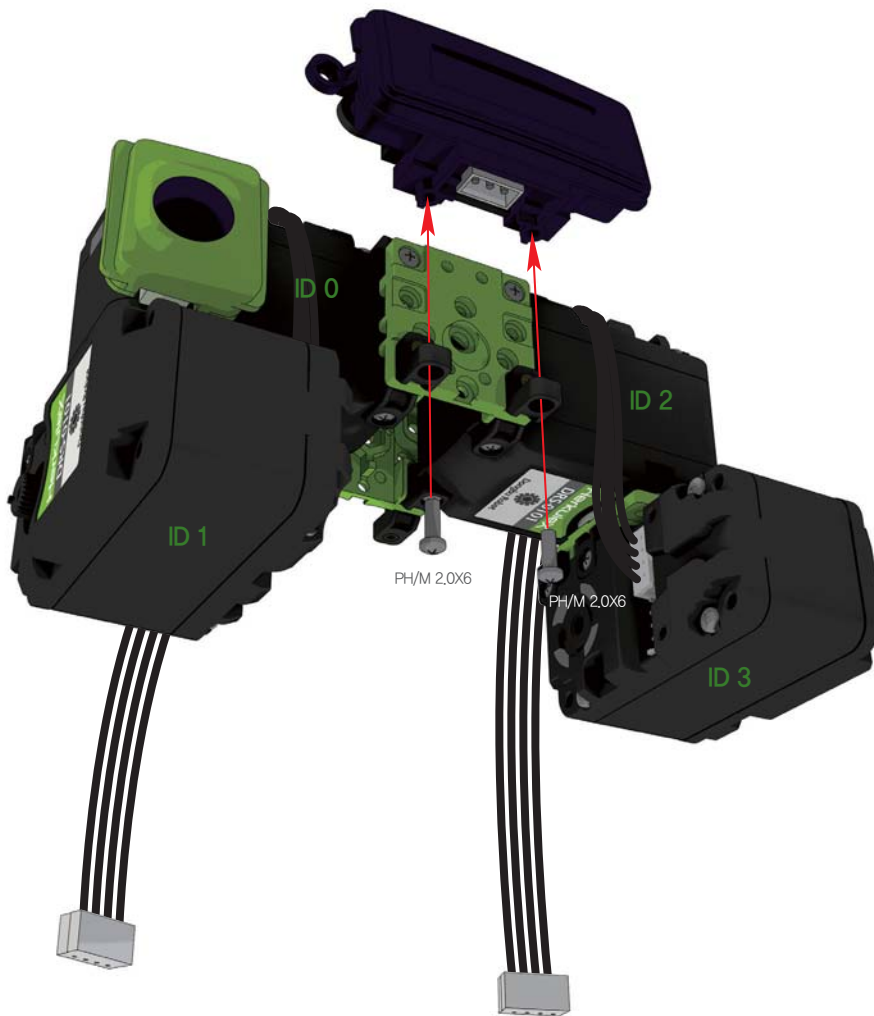
1:1 SCALE



PH/M 2.0X6

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite



Required Parts

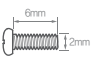


DRA-0058
Bolt (PH/M 2.0X6) **2ea**



DRI-0008
PSD Sensor **1ea**

1:1 SCALE



PH/M 2.0X6

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

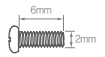
HOVIS Lite

Required Parts

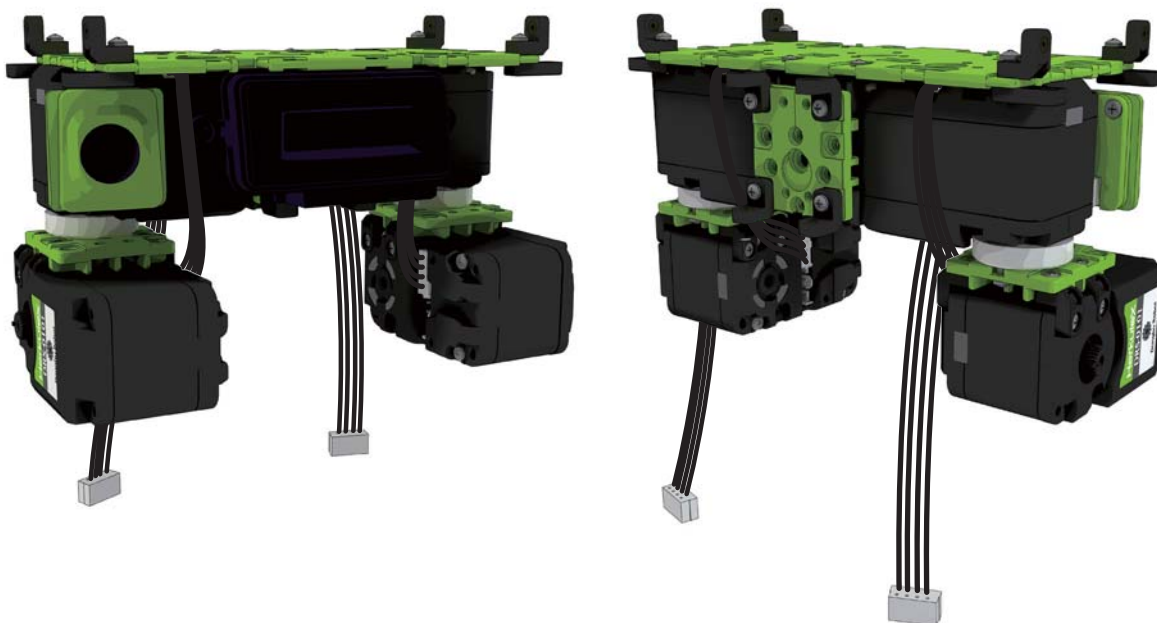
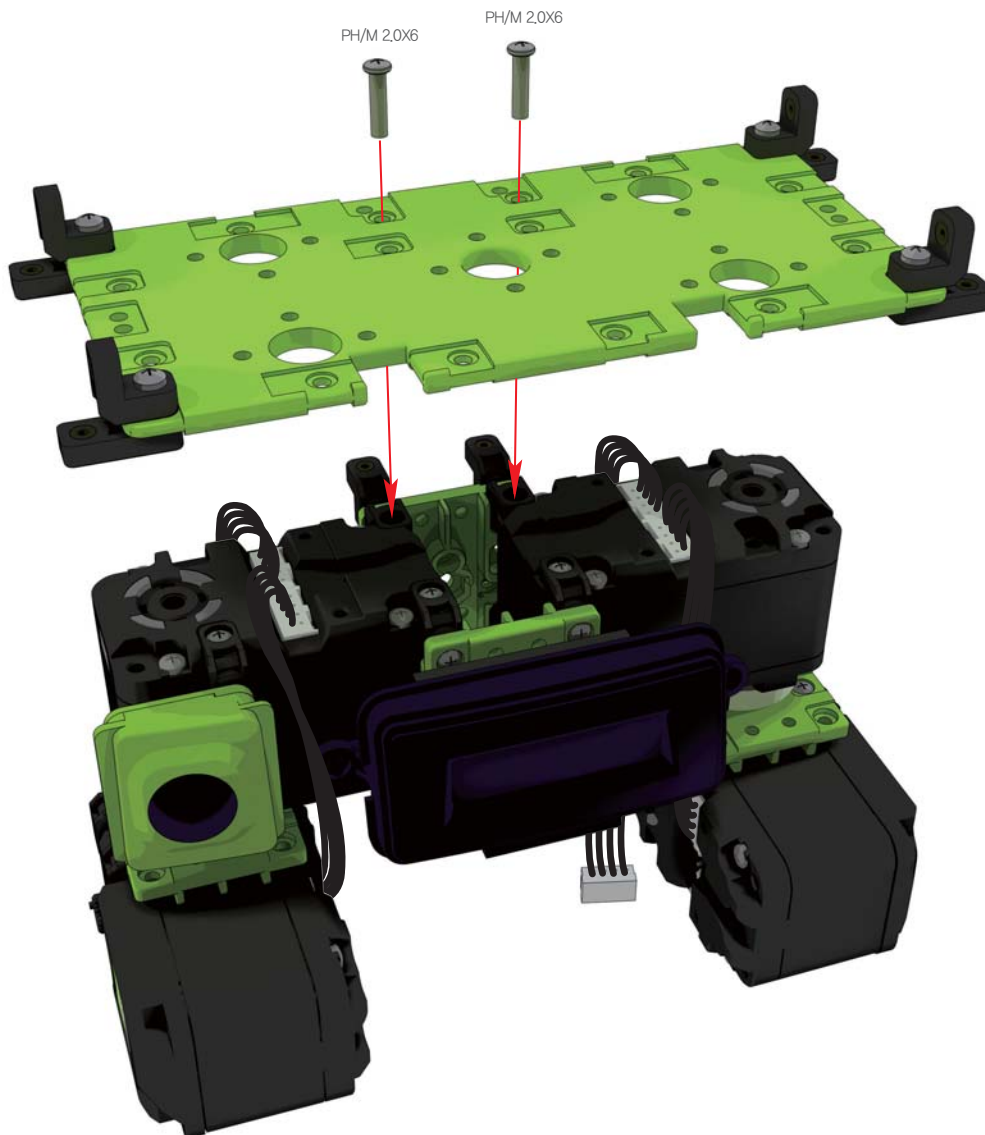


DRA-0058 2ea
Bolt (PH/M 2.0X6)

1:1 SCALE



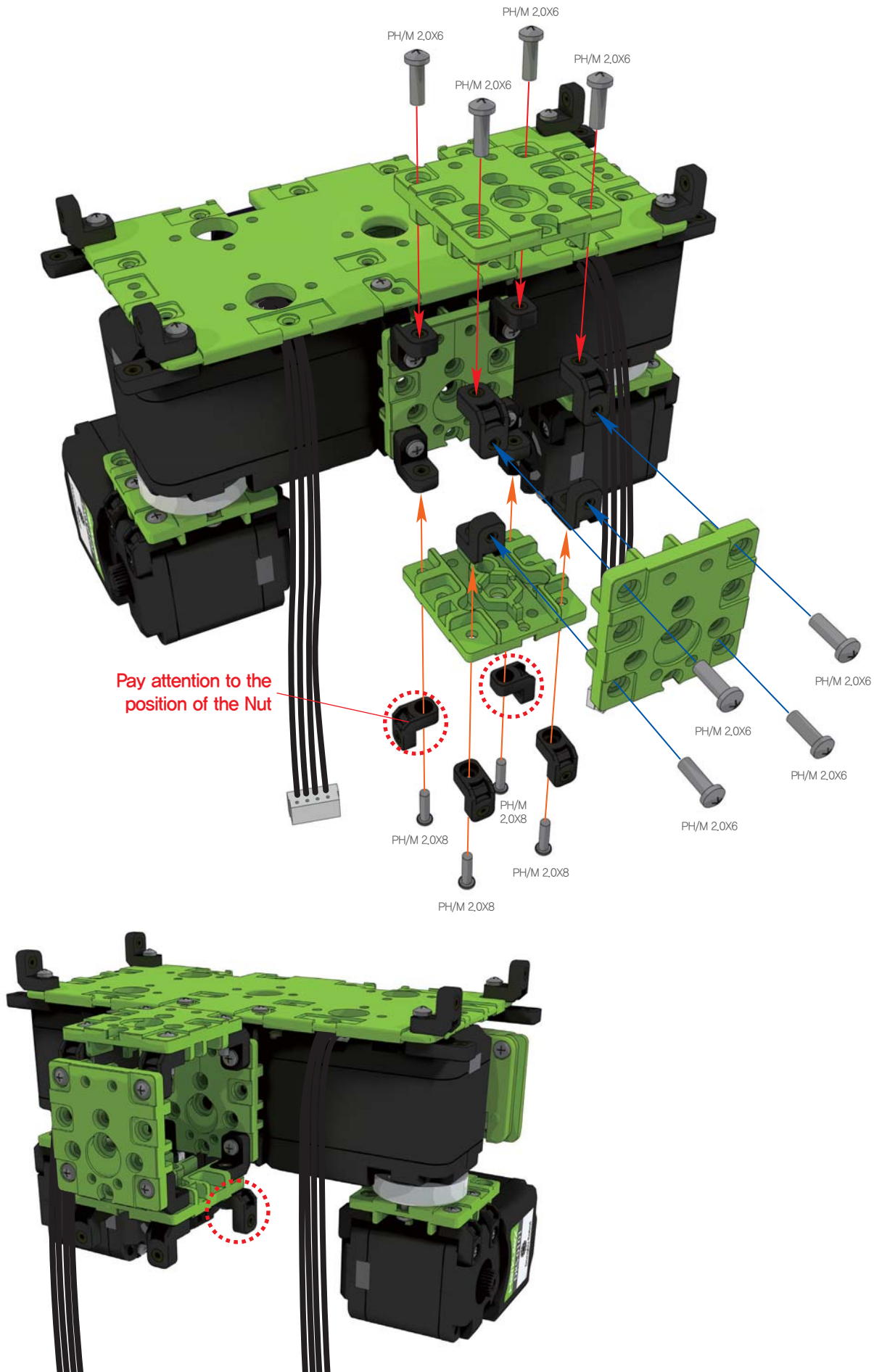
PH/M 2.0X6



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7DOF Dump truck

HOVIS Lite



Required Parts



DRA-0058
Bolt (PH/M 2.0X6)



DRA-0059 Bolt (PH/M 2.0X8) **4ea**

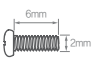


DRJ-0001
L-type Joint
(Single Nut)

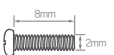


DRB-0004
Universal Plate

1:1 SCALE



PH/M 2.0X6



PH/M 2.0X8

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite

Required Parts



DRA-0059
Bolt (PH/M 2.0x8) **4ea**



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

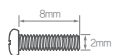


DRJ-0002
L-type Joint
(Double Nut) **2ea**

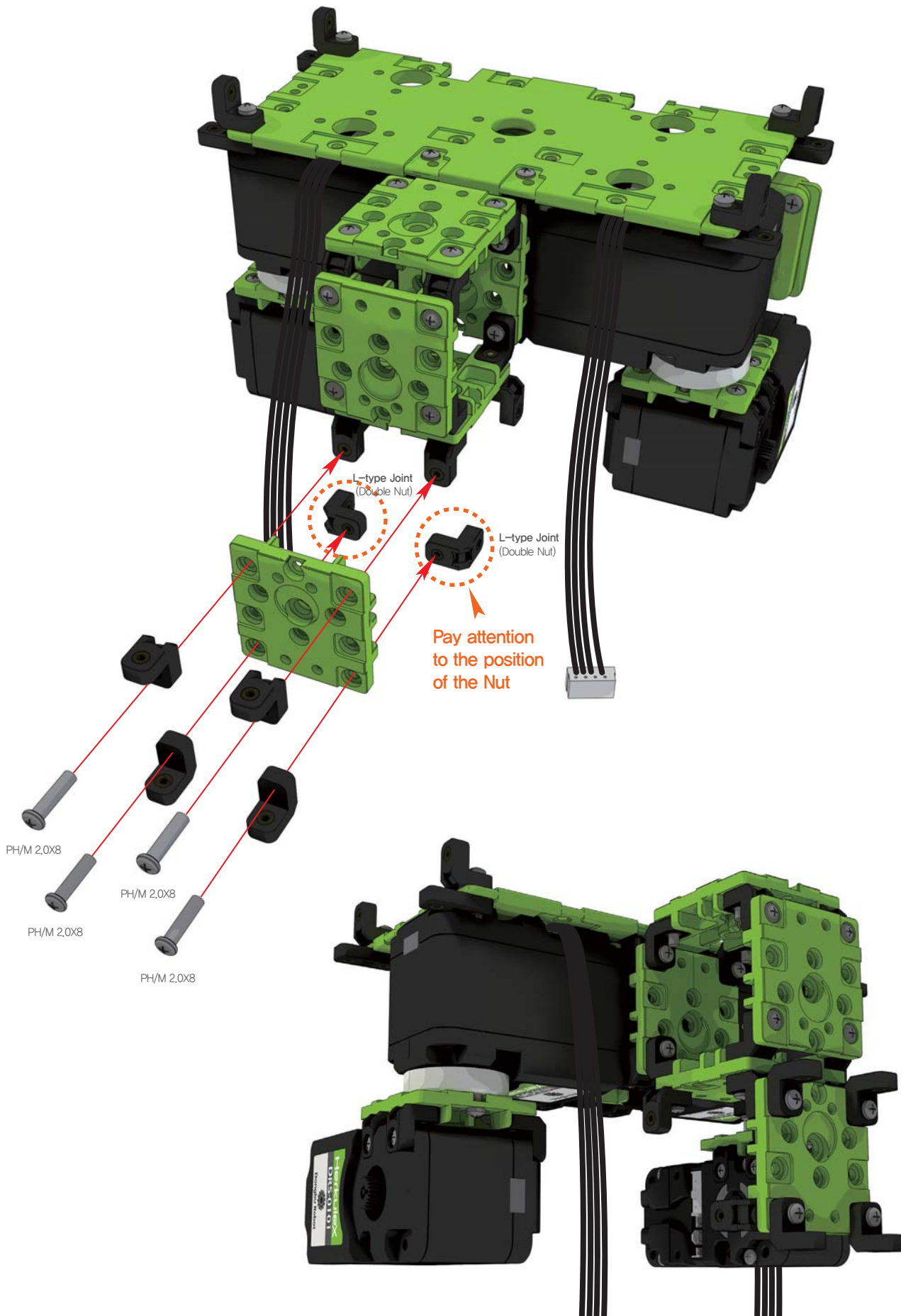


DRB-0004
Universal Plate **1ea**

1:1 SCALE



PH/M 2.0x8



Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite



Required Parts

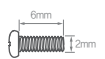


DRA-0058
Bolt (PH/M 2.0X6) **4ea**



DRB-0004
Universal Plate **2ea**

1:1 SCALE

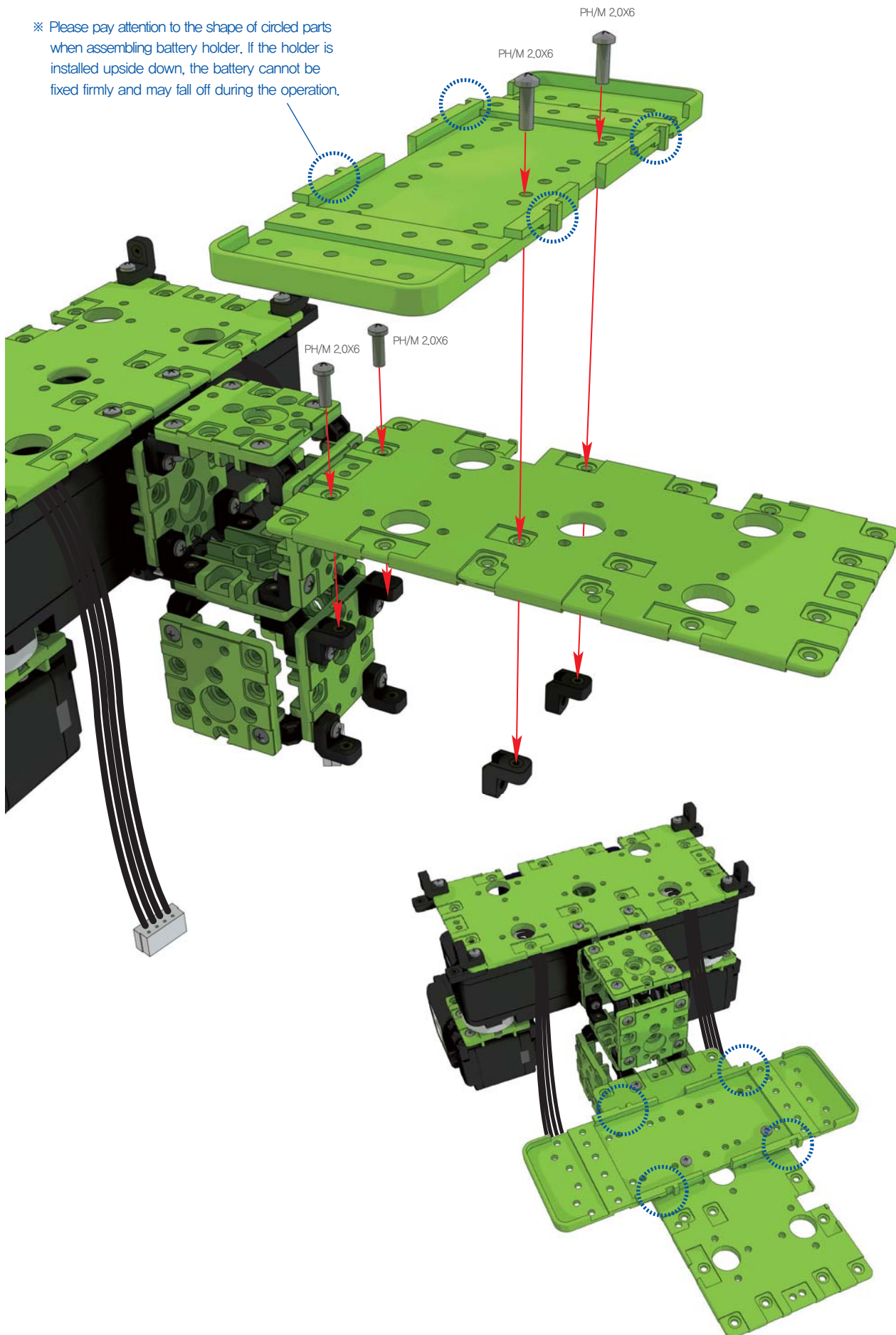


PH/M 2.0X6

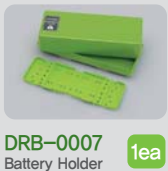
Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite

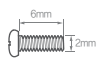
※ Please pay attention to the shape of circled parts when assembling battery holder. If the holder is installed upside down, the battery cannot be fixed firmly and may fall off during the operation.



Required Parts



1:1 SCALE



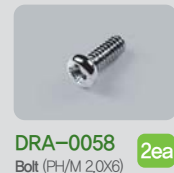
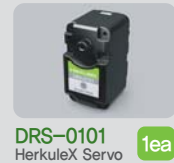
PH/M 2.0X6

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

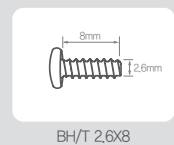
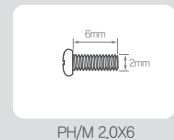
HOVIS Lite



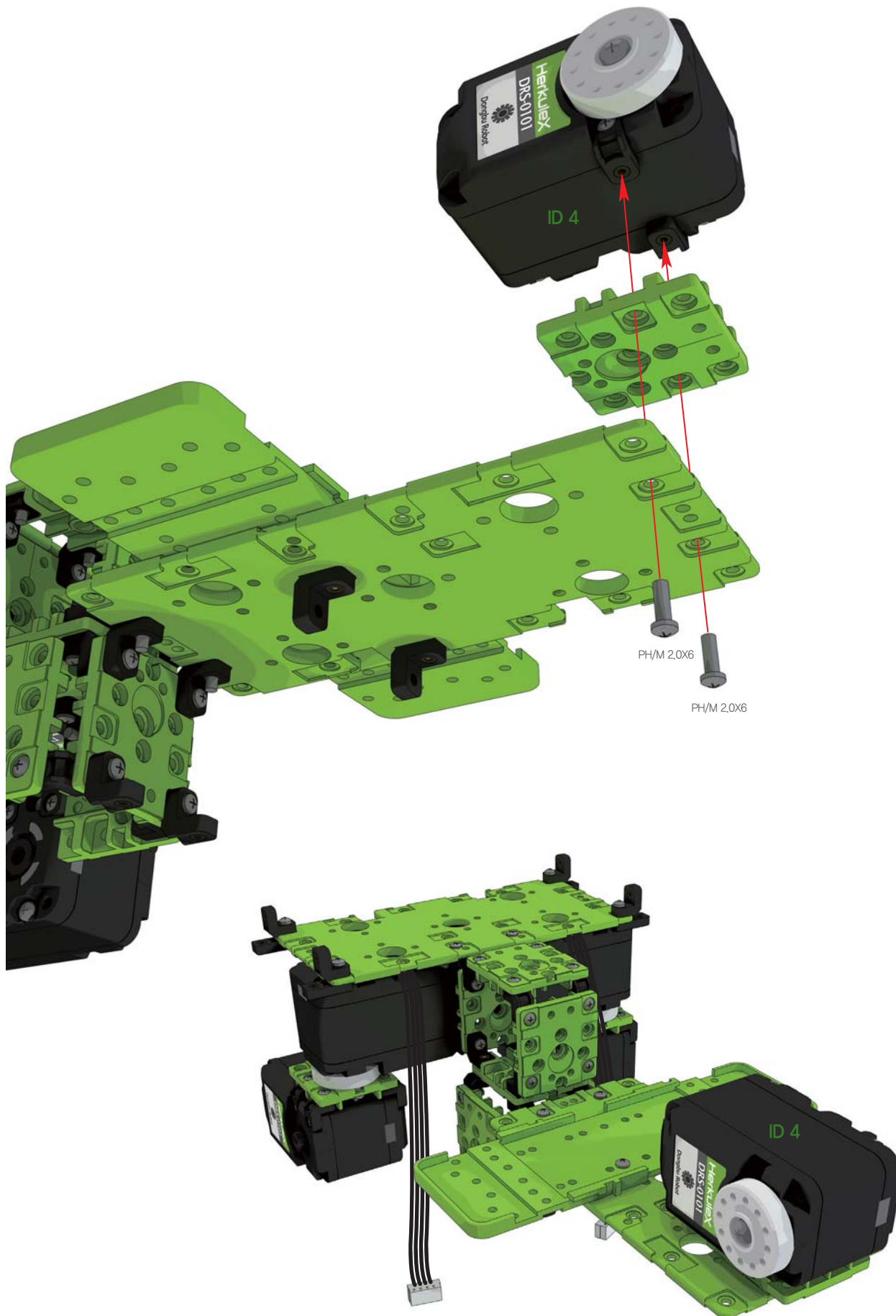
Required Parts



1:1 SCALE



※ Make sure to follow the assembly sequence in correct order.



Required Parts

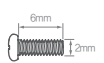


DRA-0058
Bolt (PH/M 2.0X6) **2ea**

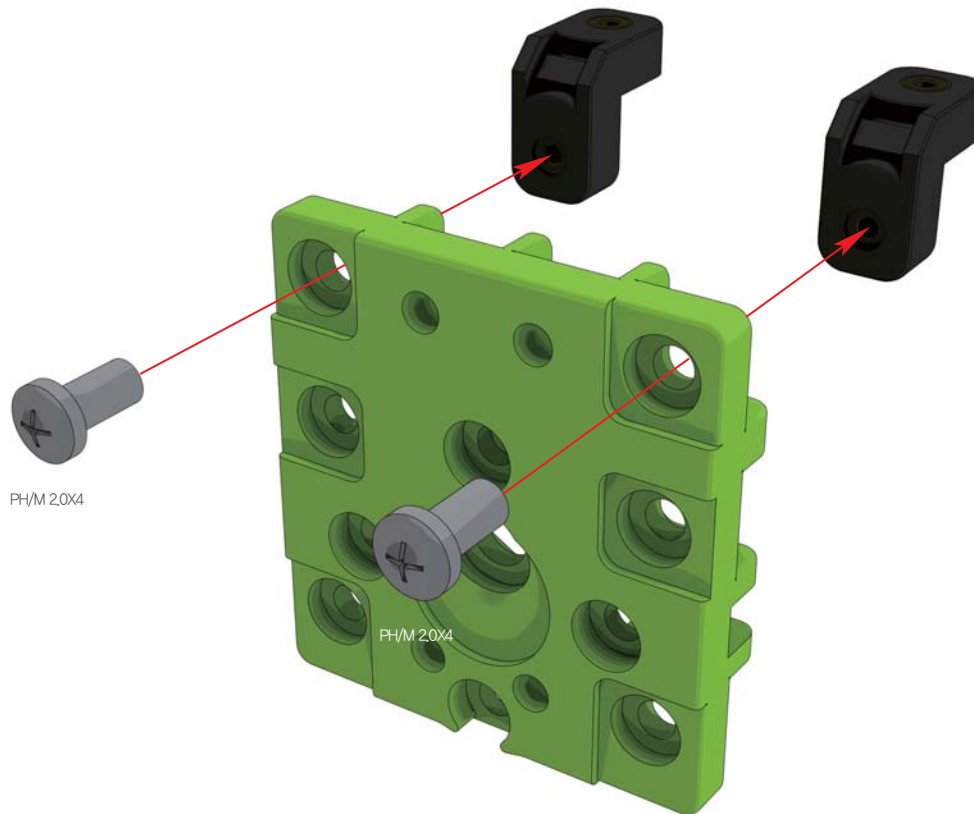


DRB-0004
Universal Plate **1ea**

1:1 SCALE



PH/M 2.0X6



Required Parts



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

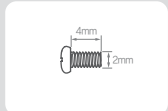


DRJ-0002
L-type Joint
(Double Nut) **2ea**



DRB-0004
Universal Plate **1ea**

1:1 SCALE



PH/M 2.0x4

Required Parts



DRS-0101
HerkuleX Servo 1ea



DRA-0054
Bolt (PH/M 2.0X13) 4ea

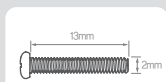


DRJ-0001
L-type Joint
(Single Nut) 2ea

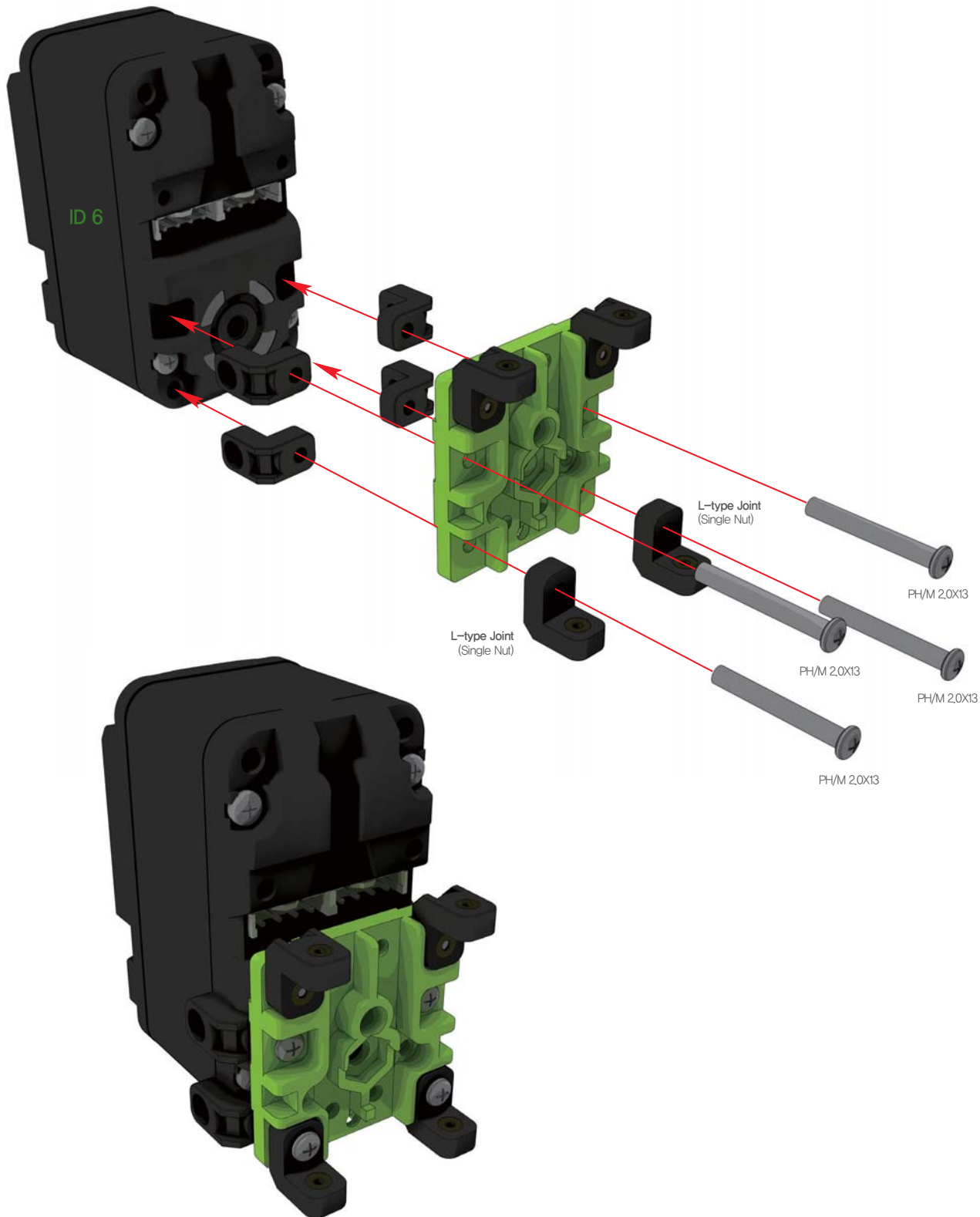


DRJ-0003
L-type Joint
(Hole only) 4ea

1:1 SCALE



PH/M 2.0X13



※ Assemble **another set**(ID 5) in the same manner. (Total 2 sets to be assembled.)

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HOVIS Lite

Required Parts



DRA-0058
Bolt (PH/M 2.0x6) **4ea**

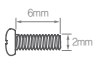


DRA-0003
Harness (100mm) **2ea**

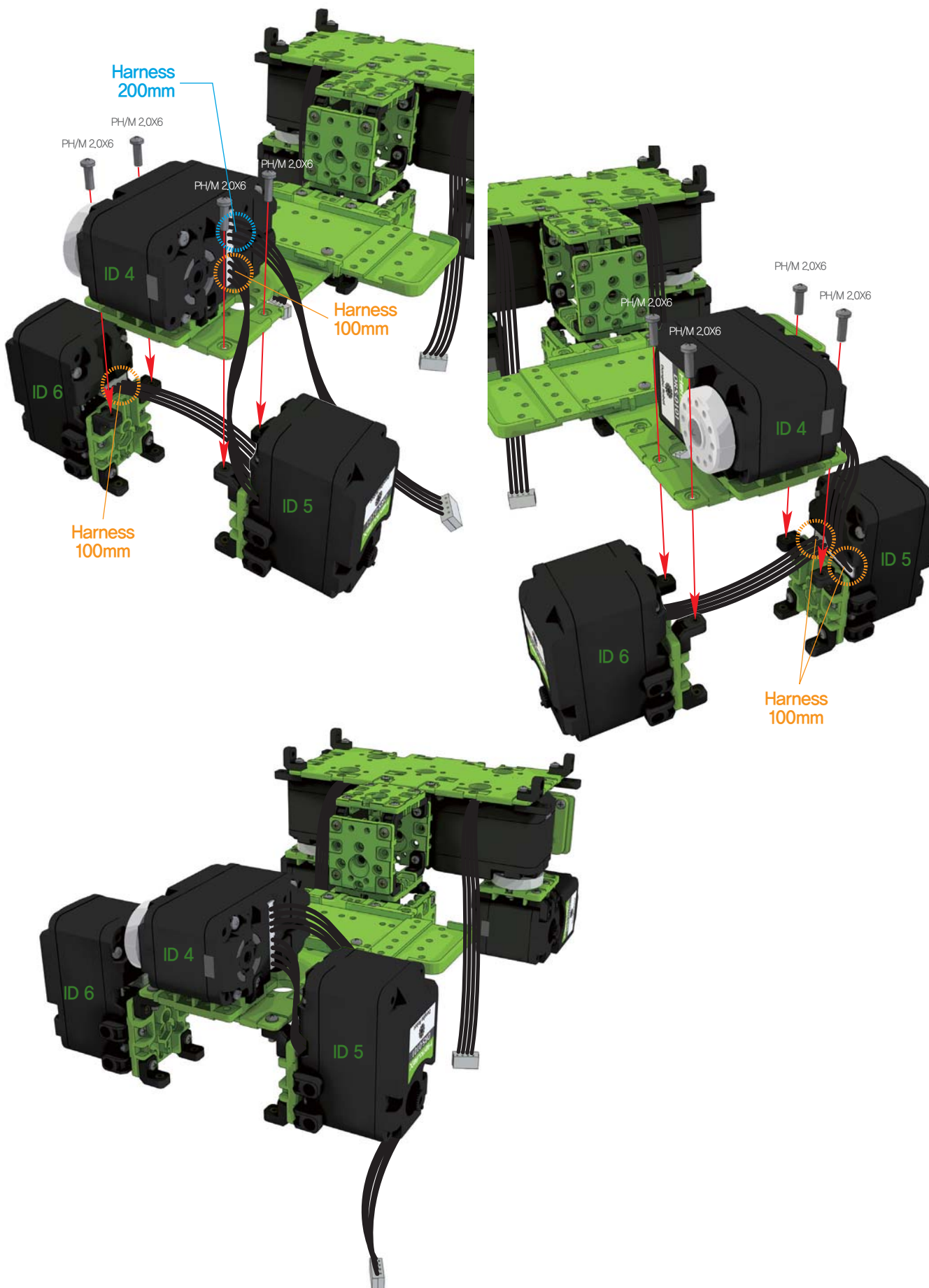


DRA-0006
Harness (200mm) **1ea**

1:1 SCALE



PH/M 2.0x6



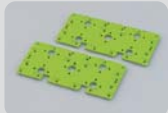
Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite

Required Parts

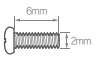


DRA-0058
Bolt (PH/M 2.0X6) 6ea

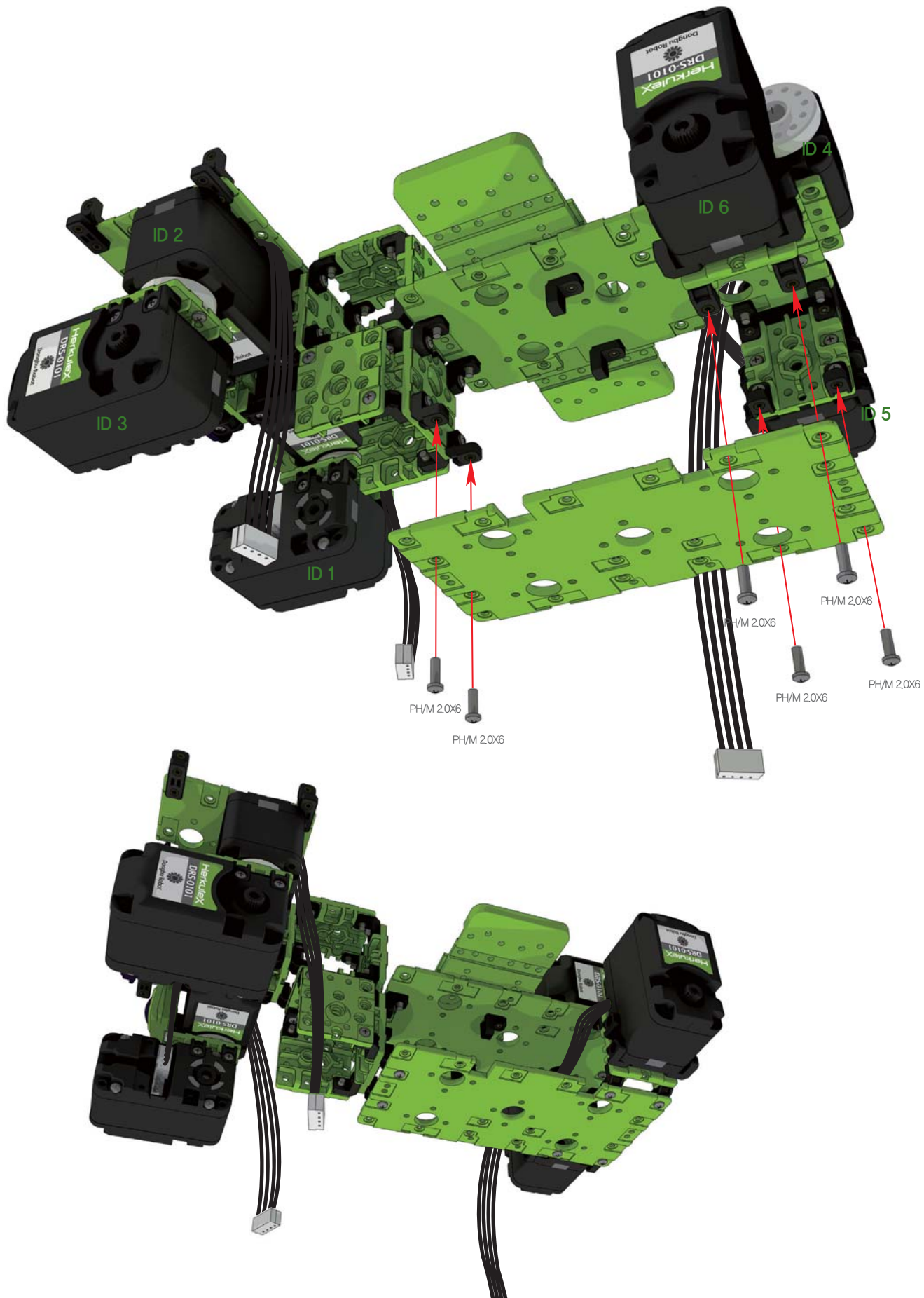


DRB-0001 1ea

1:1 SCALE

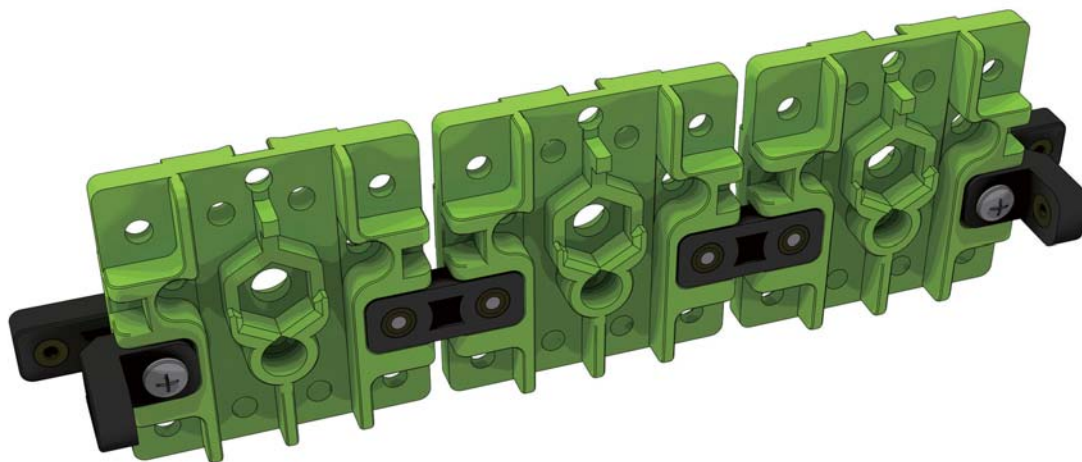
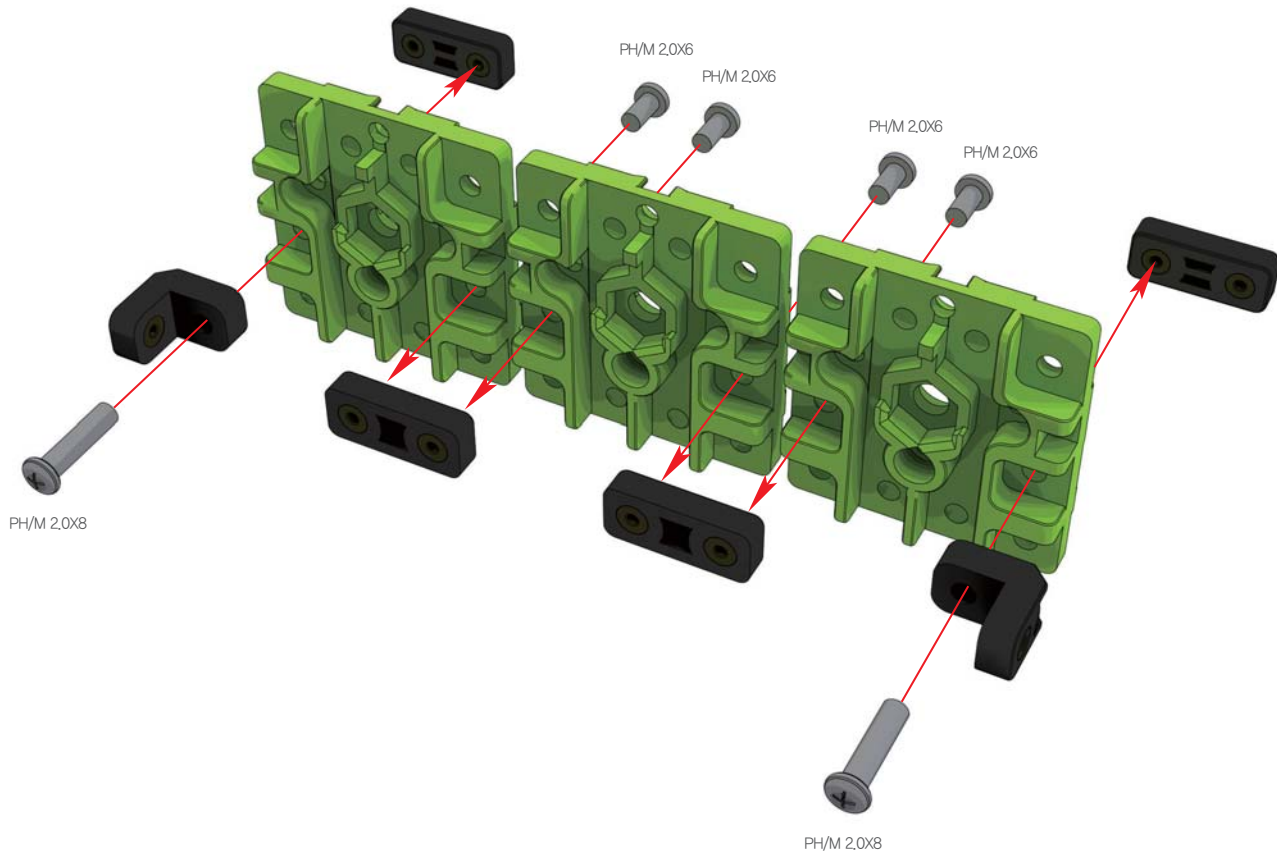


PH/M 2.0X6



Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

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Required Parts



DRA-0058
Bolt (PH/M 2.0x6) **4ea**



DRA-0059
Bolt (PH/M 2.0x6) **2ea**



DRJ-0001
L-type Joint
(Single Nut) **2ea**

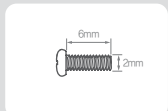


DRJ-0006
I-type Joint
(12.5mm, Double Nut) **4ea**

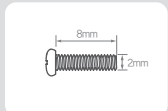


DRB-0004
Universal Plate **3ea**

1:1 SCALE



PH/M 2.0x6

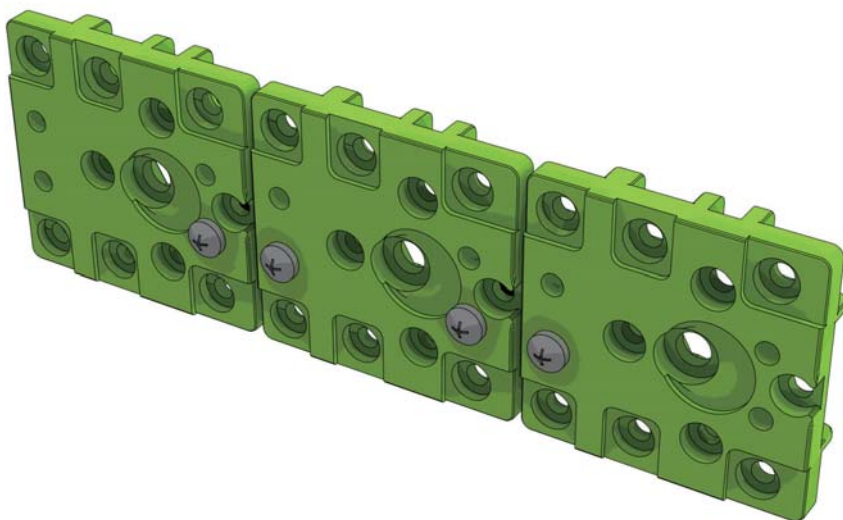
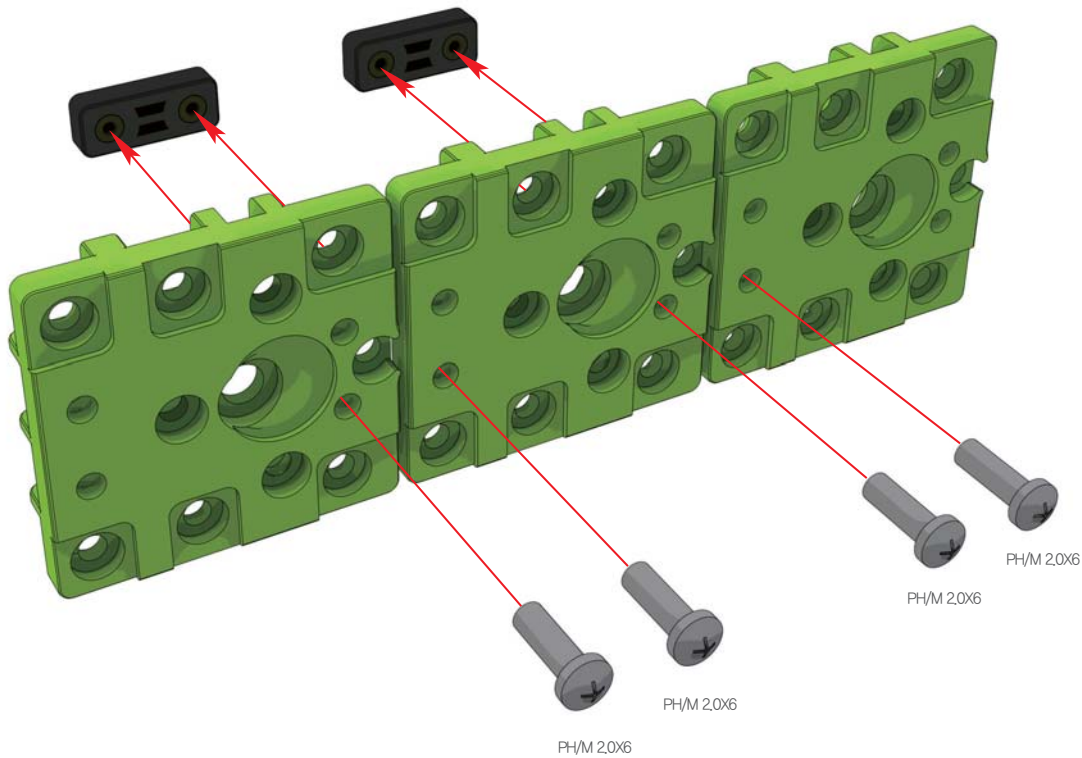


PH/M 2.0x8

※ Assemble **another set** in the same manner. (Total 5 sets to be assembled.)

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Required Parts



DRA-0058
Bolt (PH/M 2.0x6) **4ea**

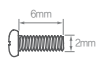


DRJ-0006
I-type Joint
(12.5mm, Double Nut) **2ea**



DRB-0004
Universal Plate **3ea**

1:1 SCALE

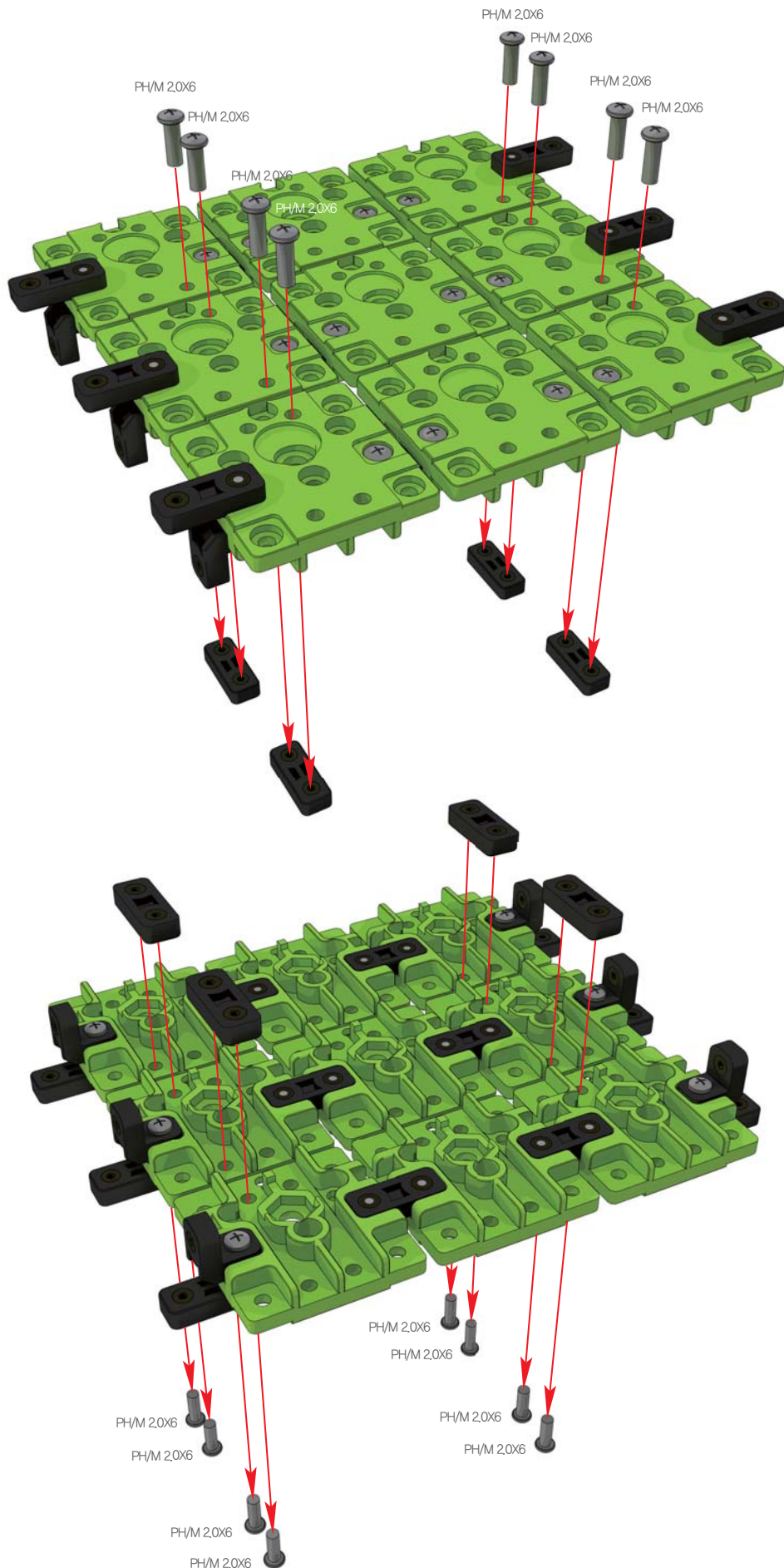


PH/M 2.0x6

※ Assemble **another set** in the same manner. (Total 2 sets to be assembled.)

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HOVIS Lite



Required Parts

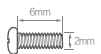


DRA-0058
Bolt (PH/M 2.0x6) **8ea**



DRJ-0006
I-type Joint
(12.5mm, Double Nut) **4ea**

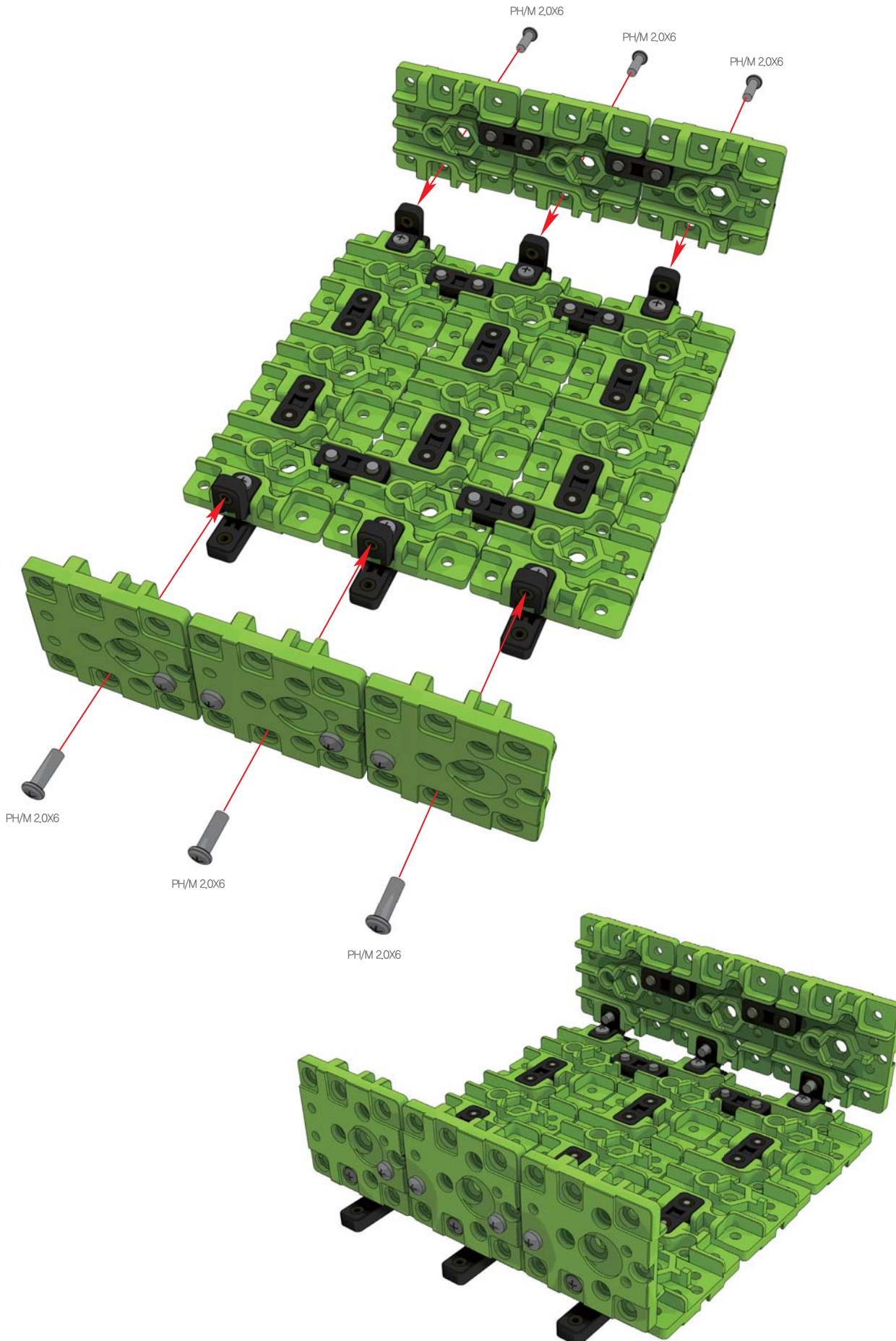
1:1 SCALE



PH/M 2.0x6

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite

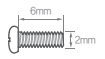


Required Parts



DRA-0058
Bolt (PH/M 2.0x6) **6ea**

1:1 SCALE



PH/M 2.0x6

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

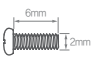
HOVIS Lite

Required Parts

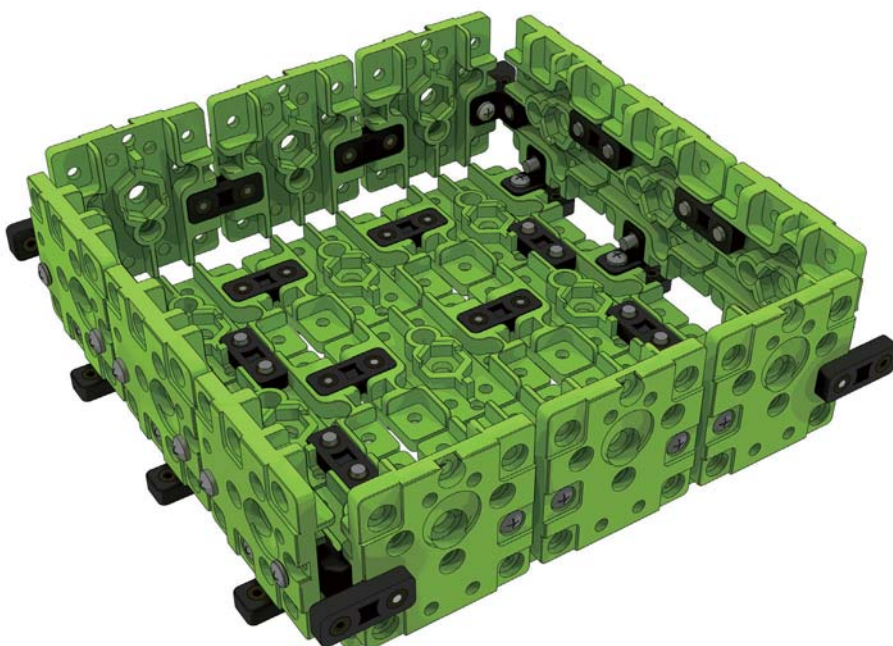
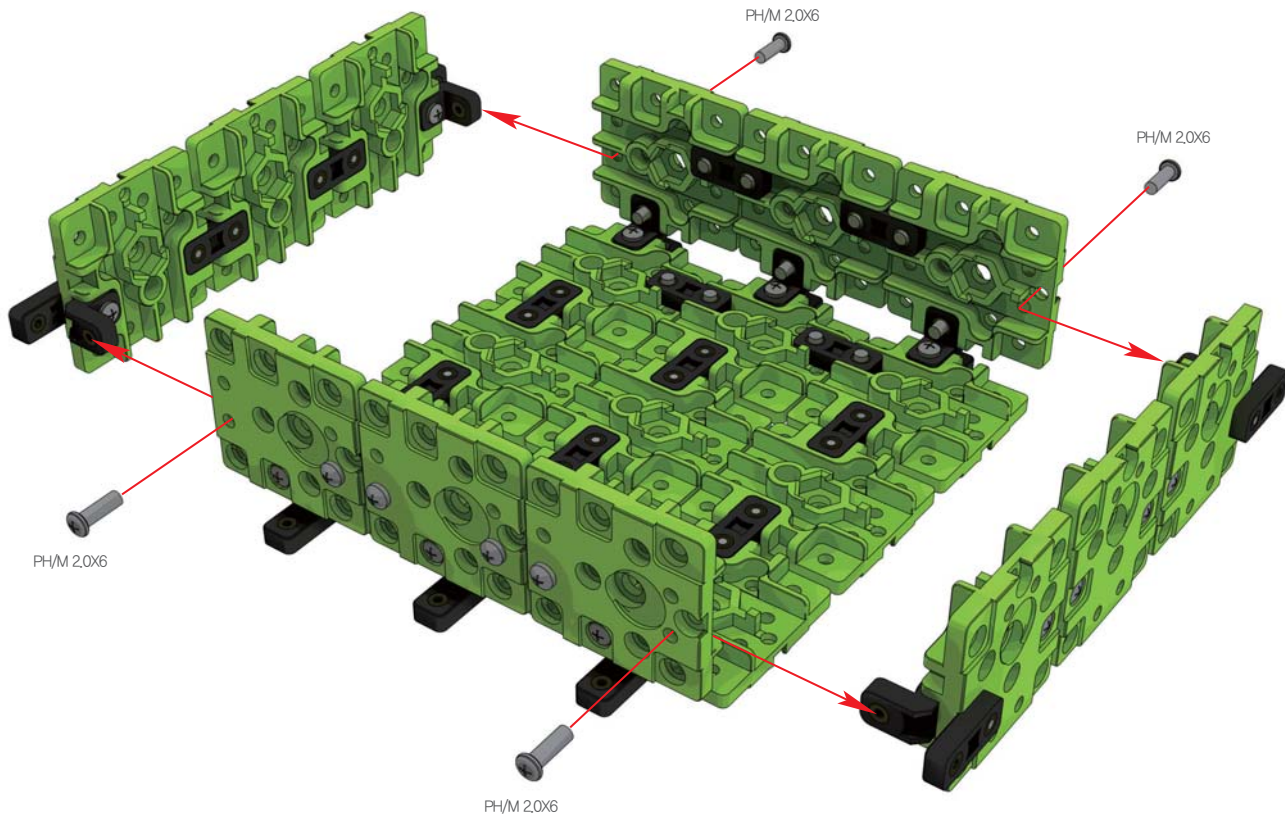


DRA-0058
Bolt (PH/M 2.0x6) **4ea**

1:1 SCALE

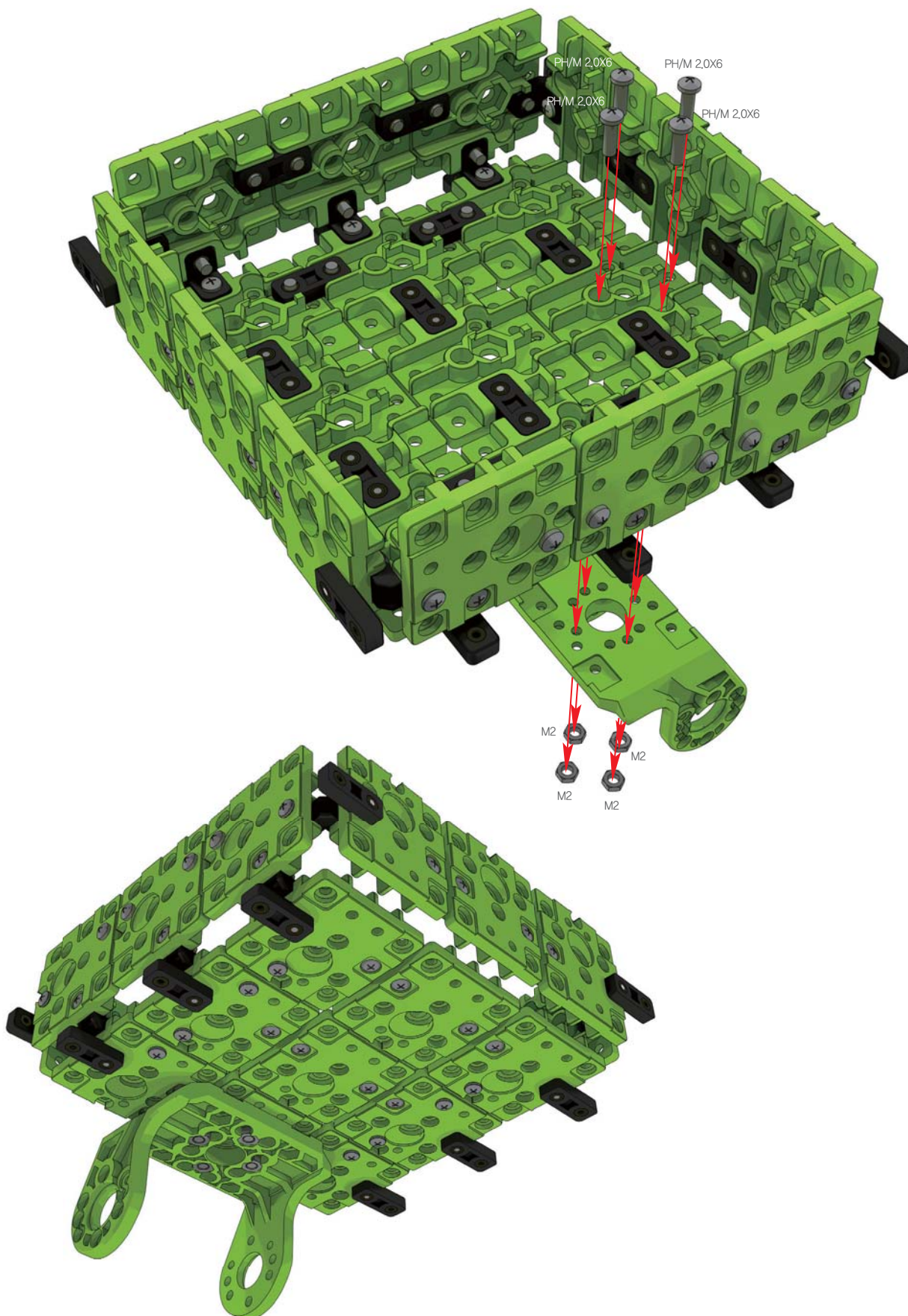


PH/M 2.0x6



Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite



Required Parts



DRA-0051
Nut (M2) **4ea**



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

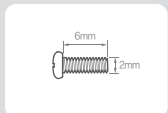


DRB-0011
U4-type Bracket **1ea**

1:1 SCALE



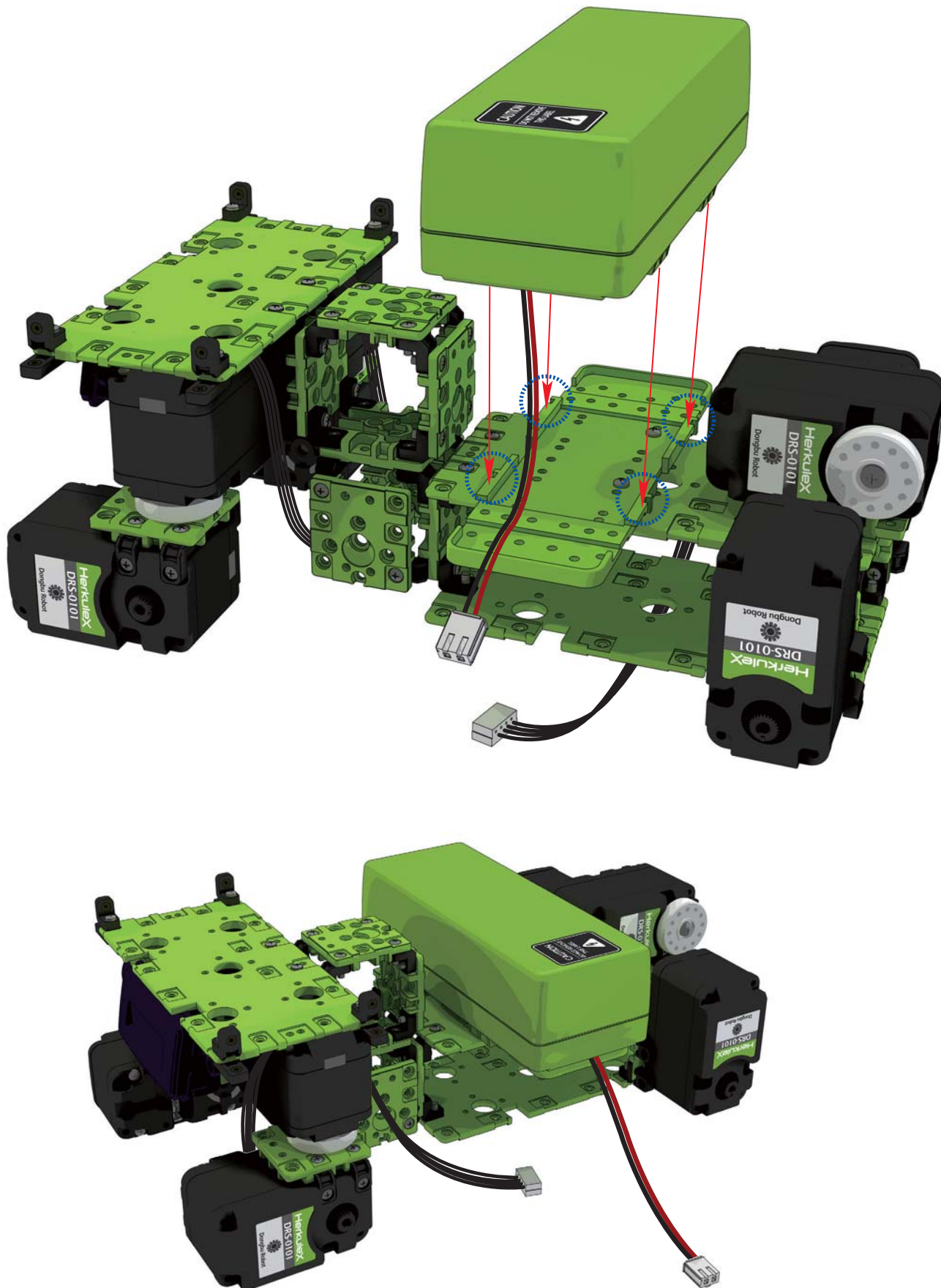
M2



PH/M 2.0X6

Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite



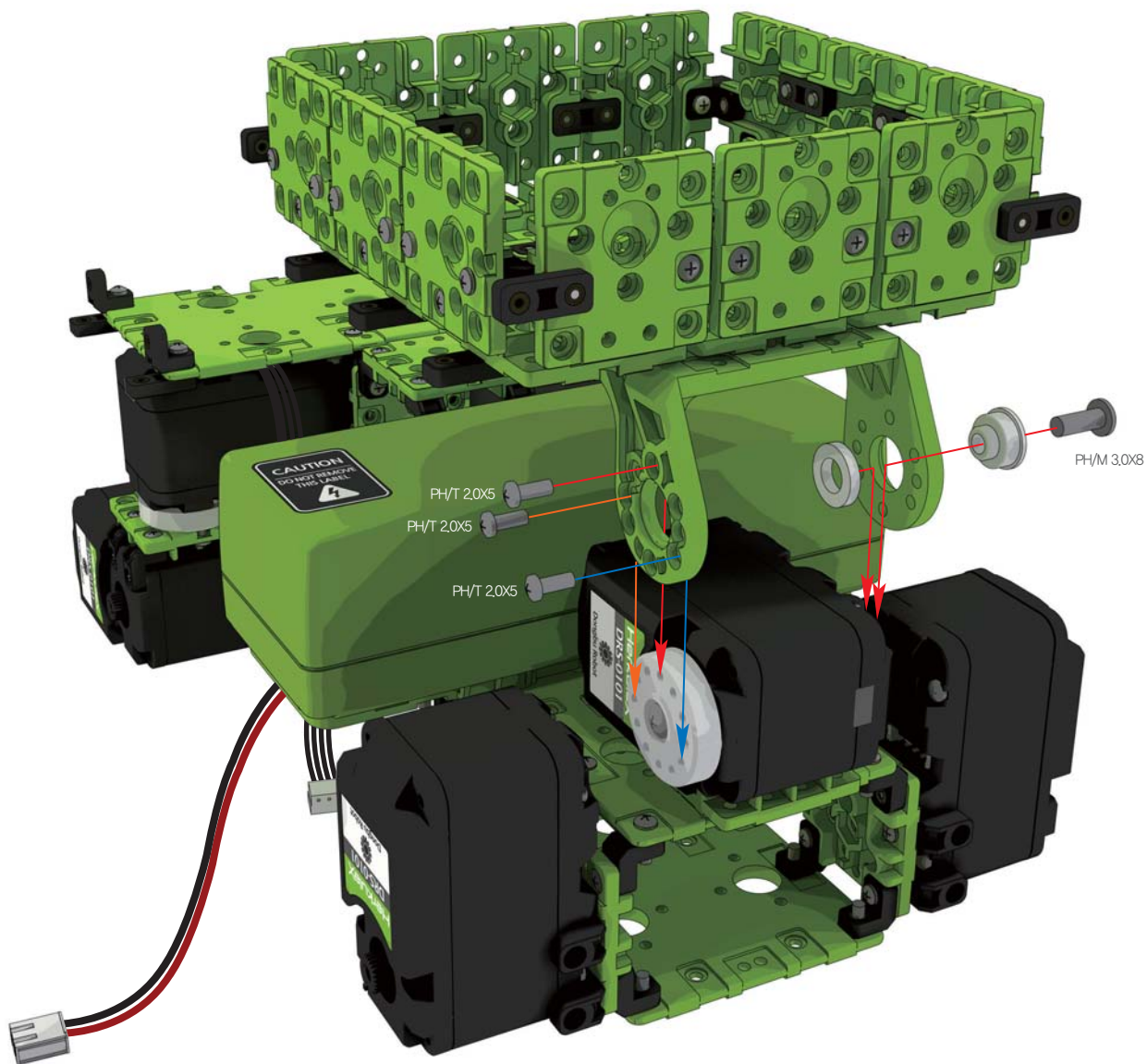
Required Parts



DRB-0007
Battery Case 1ea



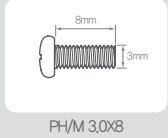
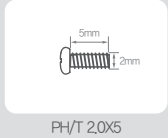
DRL-0728
7.4V Li-Po Battery
(3,000mAh) 1ea

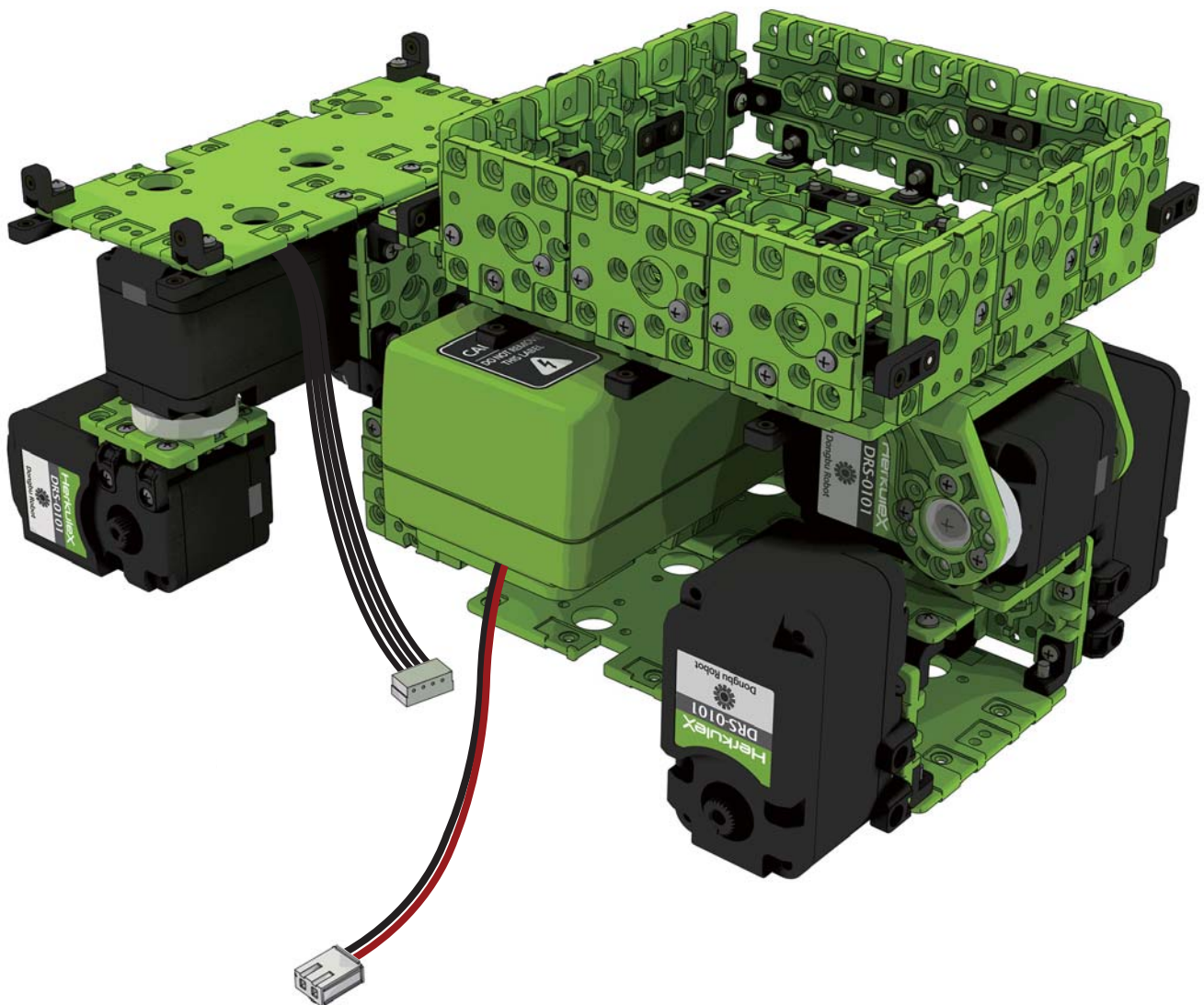


Required Parts



1:1 SCALE





Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite

Required Parts

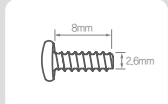


DRA-0067
Bolt (BH/T 2.6X8) **4ea**

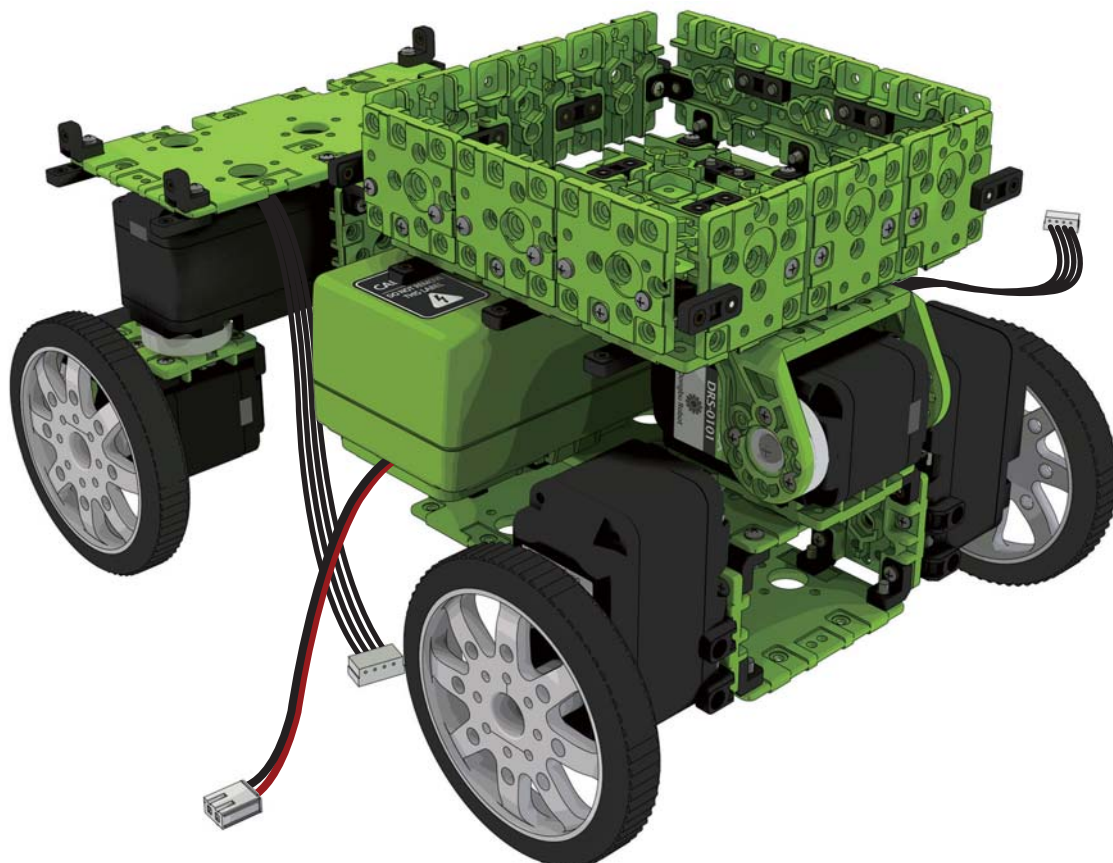
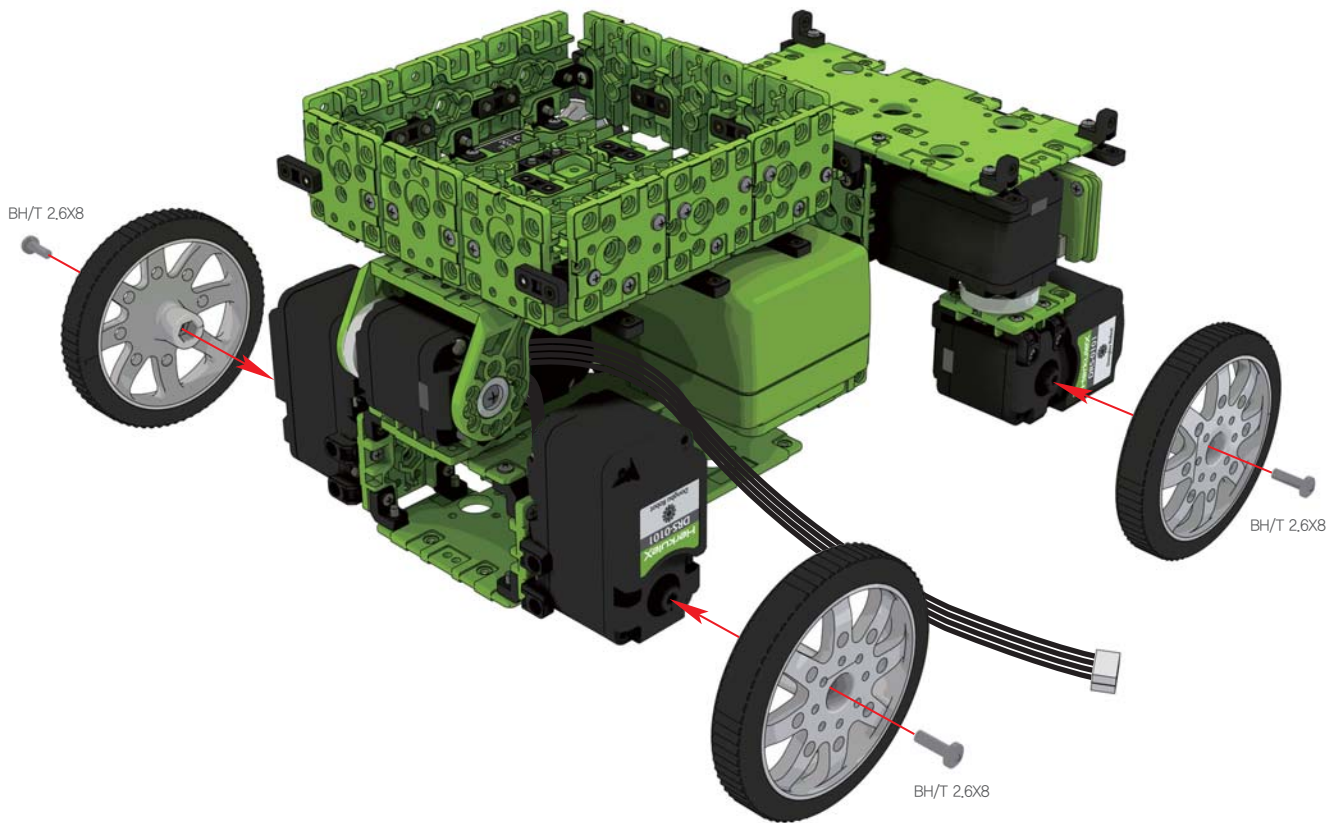


DCW-0001
Wheel (White, Ø60) **4ea**

1:1 SCALE



BH/T 2.6X8



Assembly Manual for Application Models of HOVIS Lite 7DOF Dump truck

HOVIS Lite

Required Parts



DRA-0056
Bolt (PH/M 2.0x4) **4ea**



PSD Sensor
Cable **1ea**

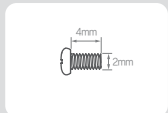


IR Receiver
Cable **1ea**

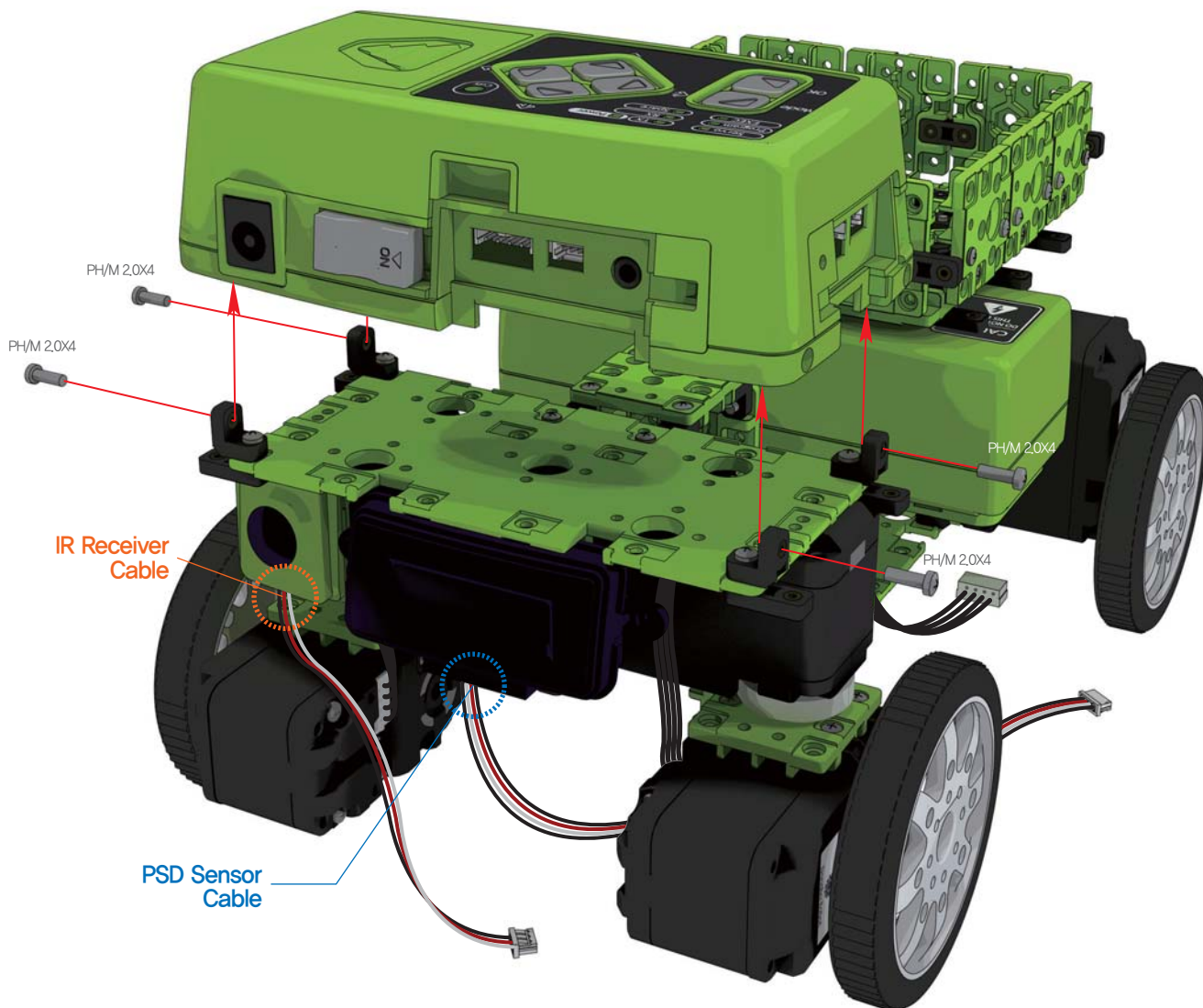


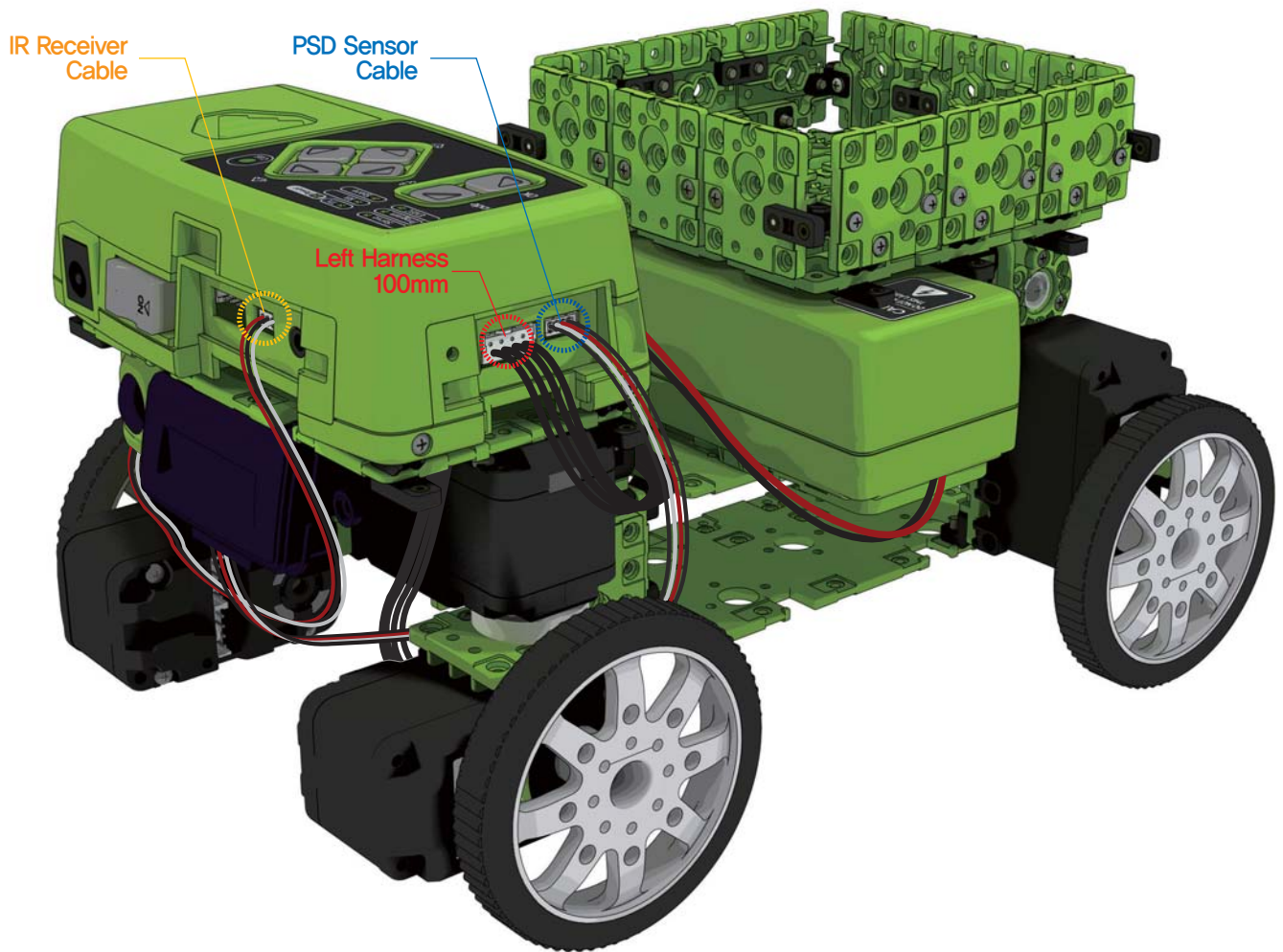
DRC-005T
Controller **1ea**

1:1 SCALE

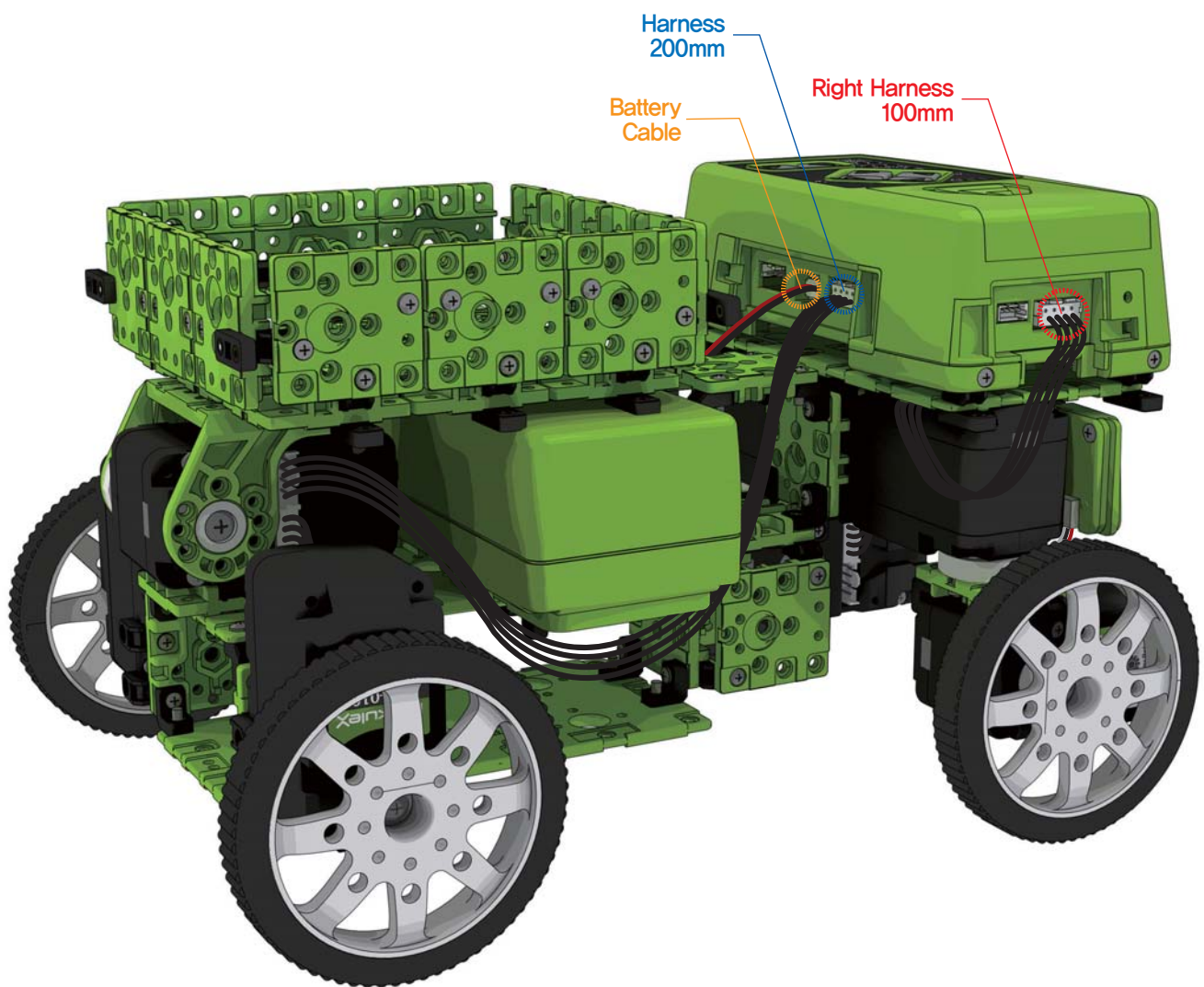


PH/M 2.0x4





Completion



Completion