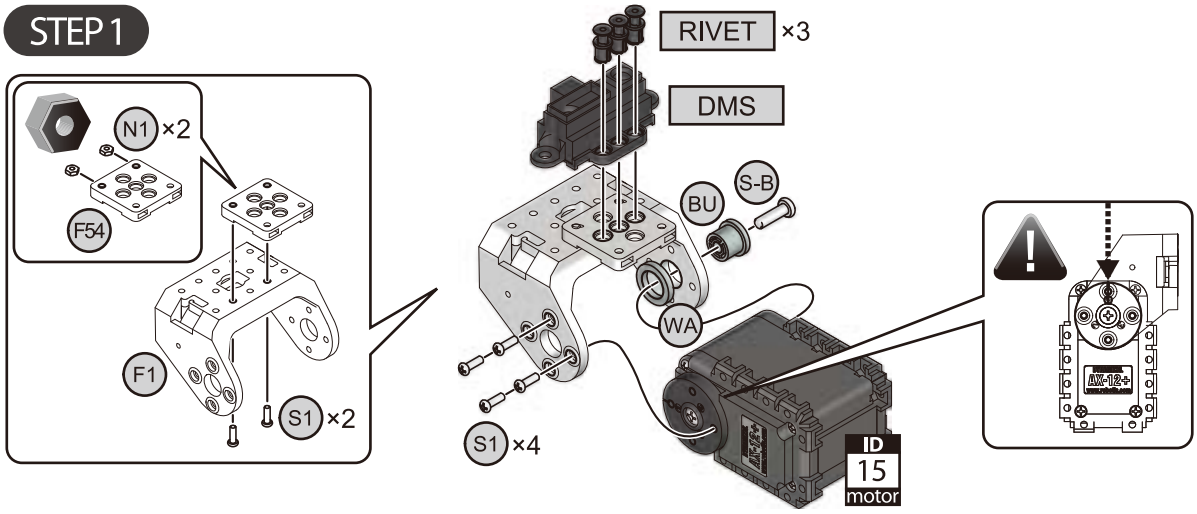
BIOLOID

Scorpion

STEP 1



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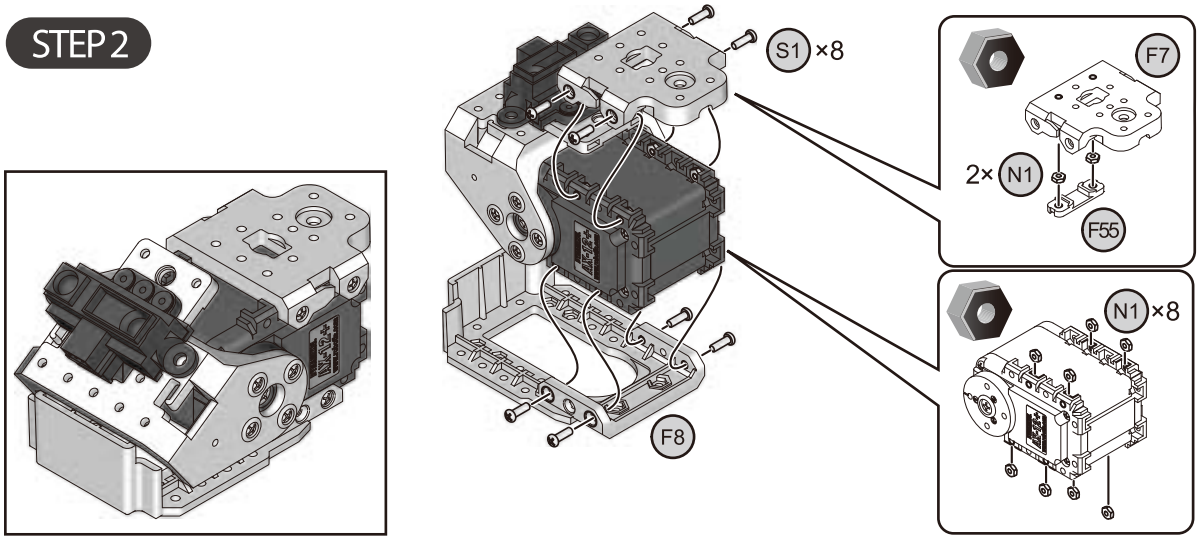
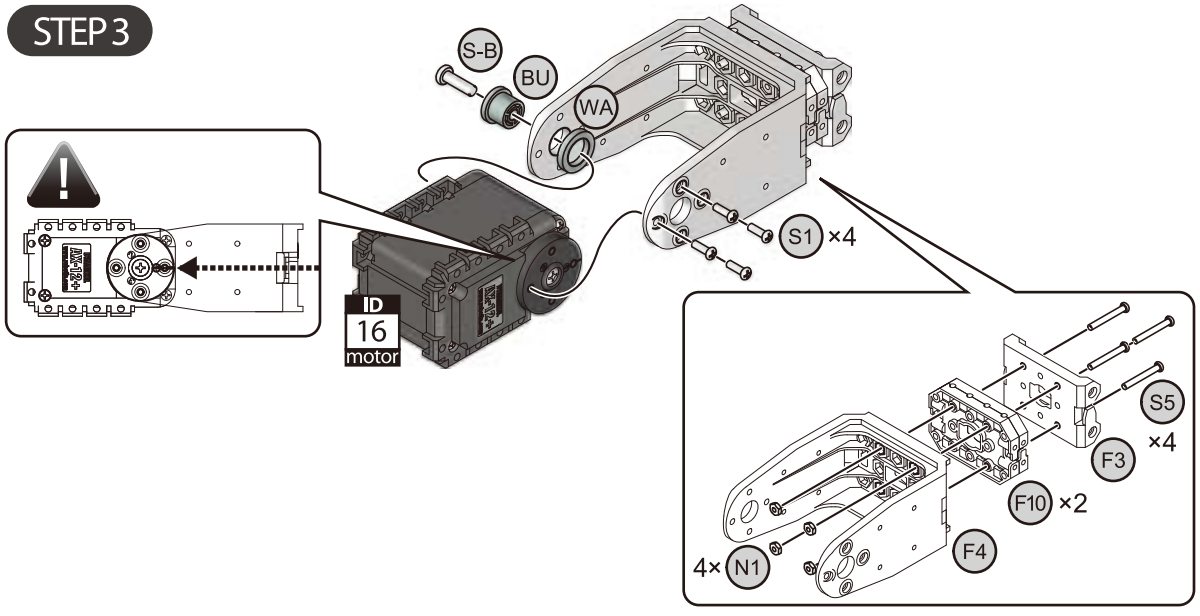


STEP 3



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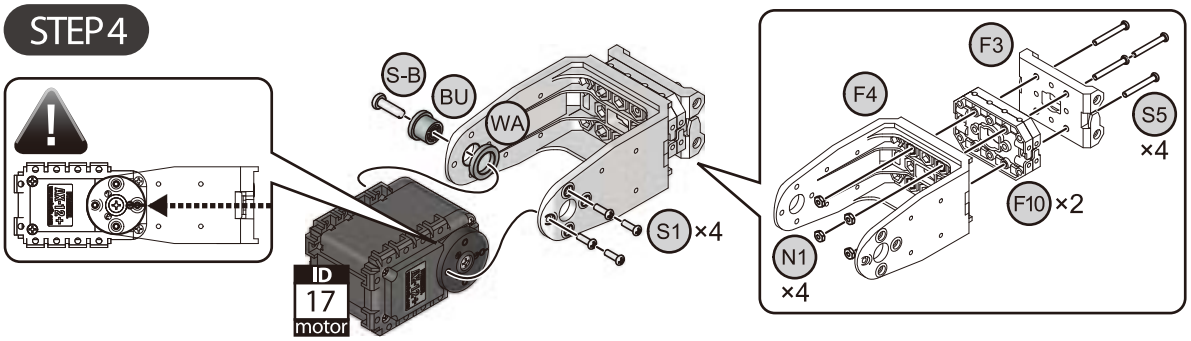

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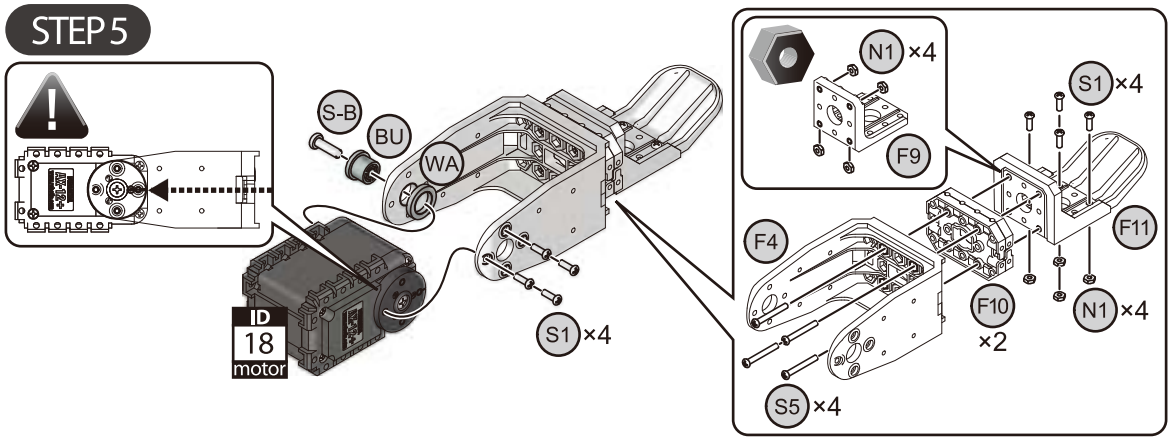

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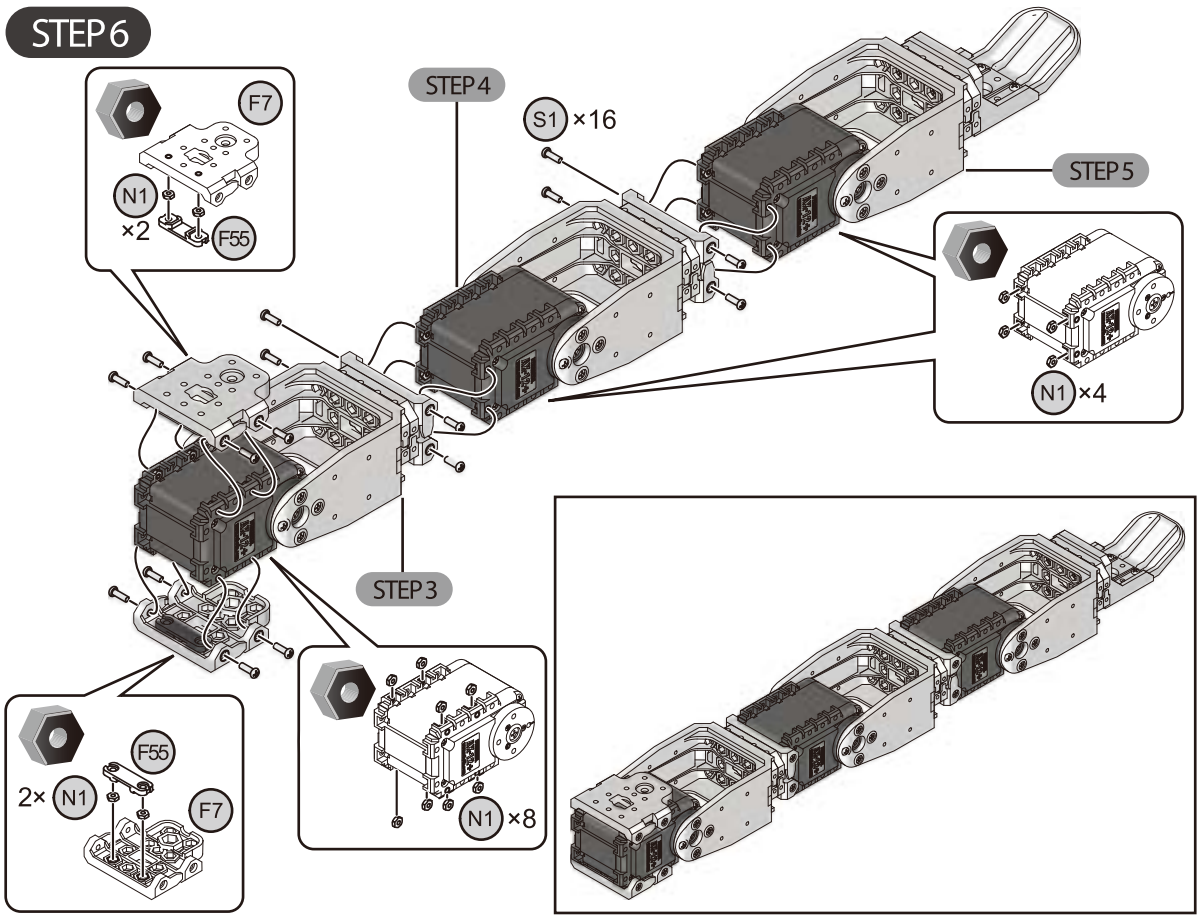

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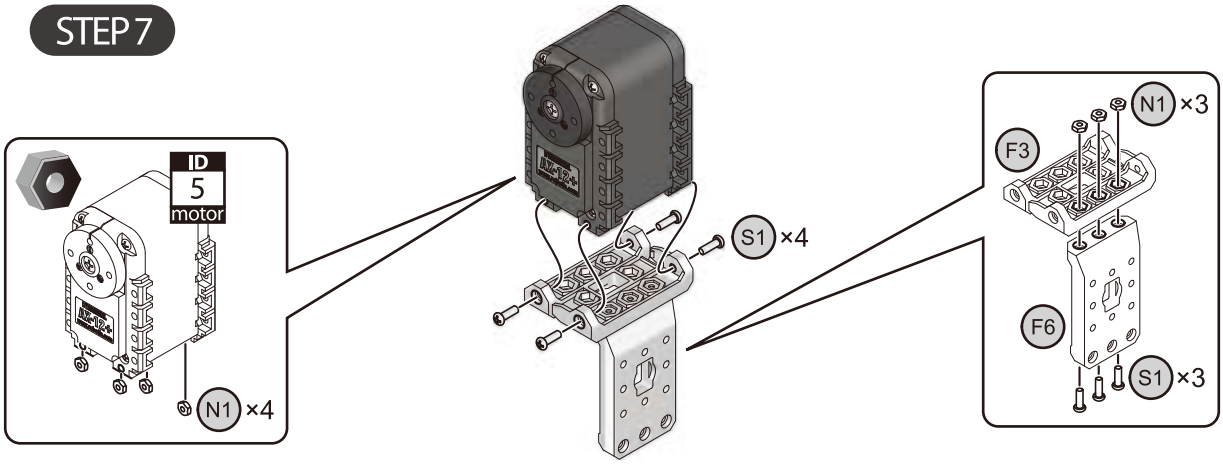

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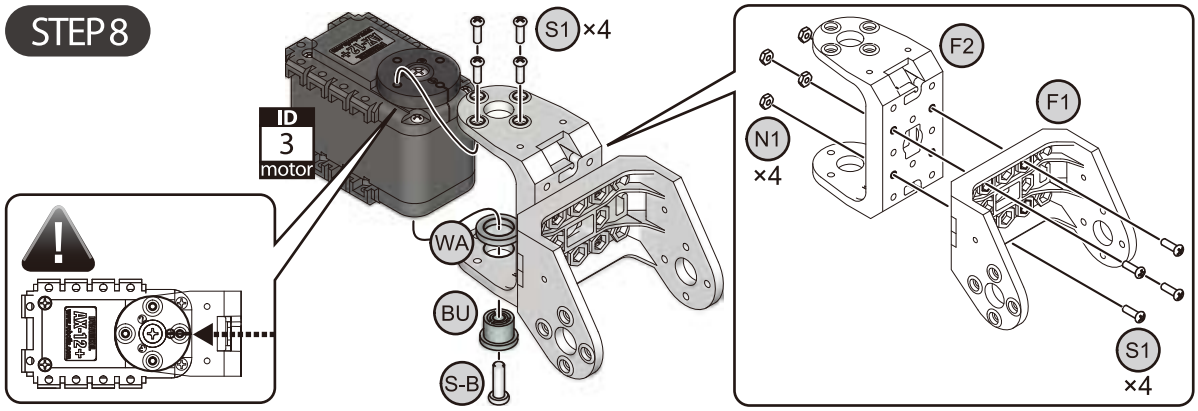

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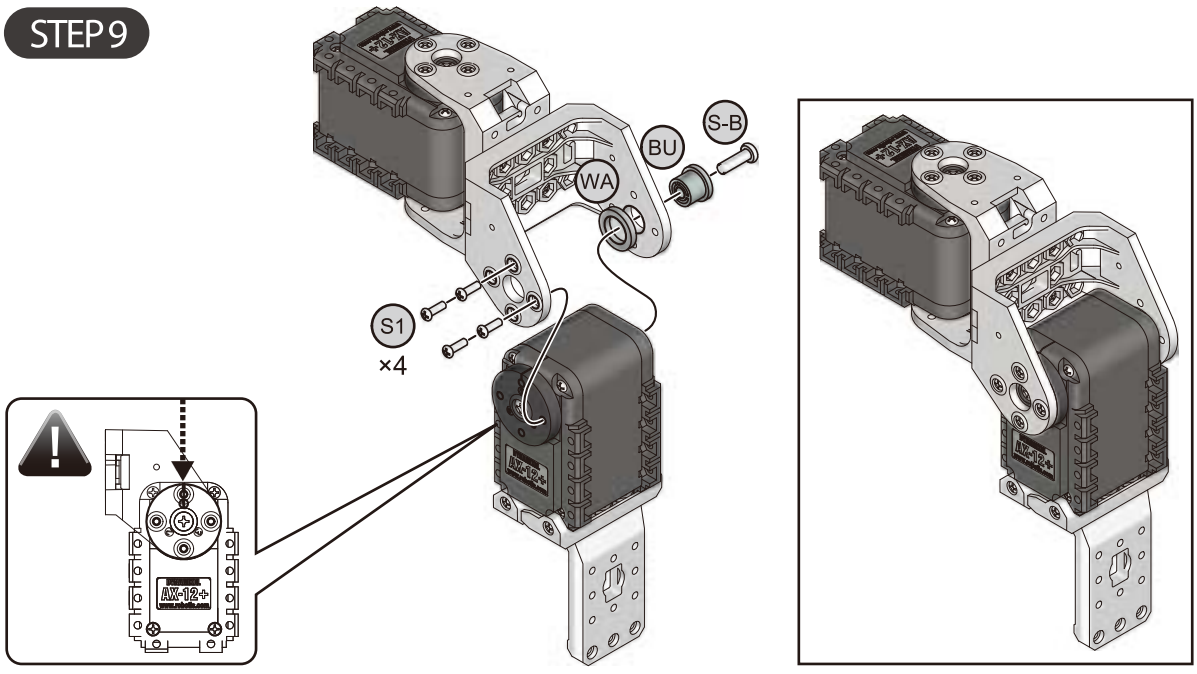

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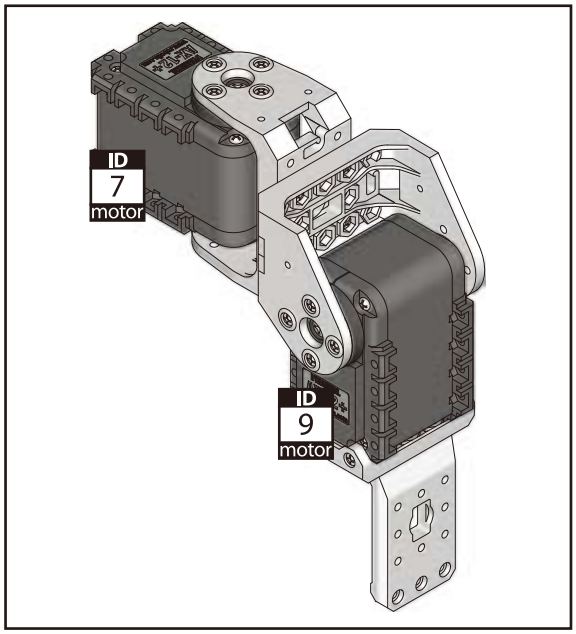

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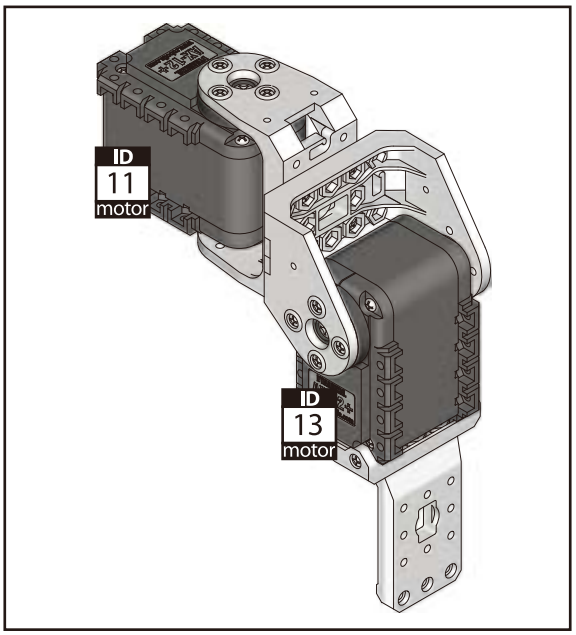

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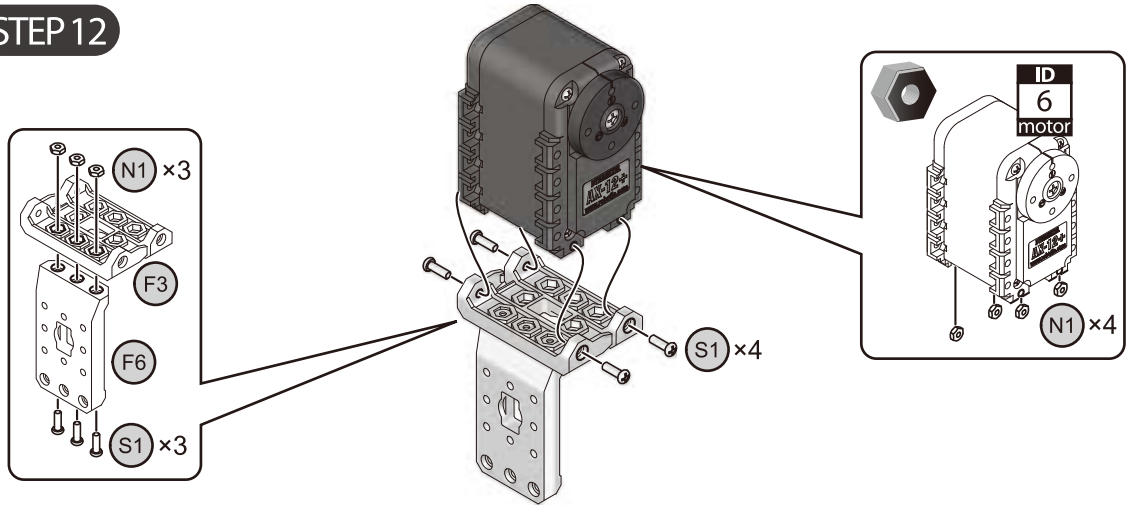

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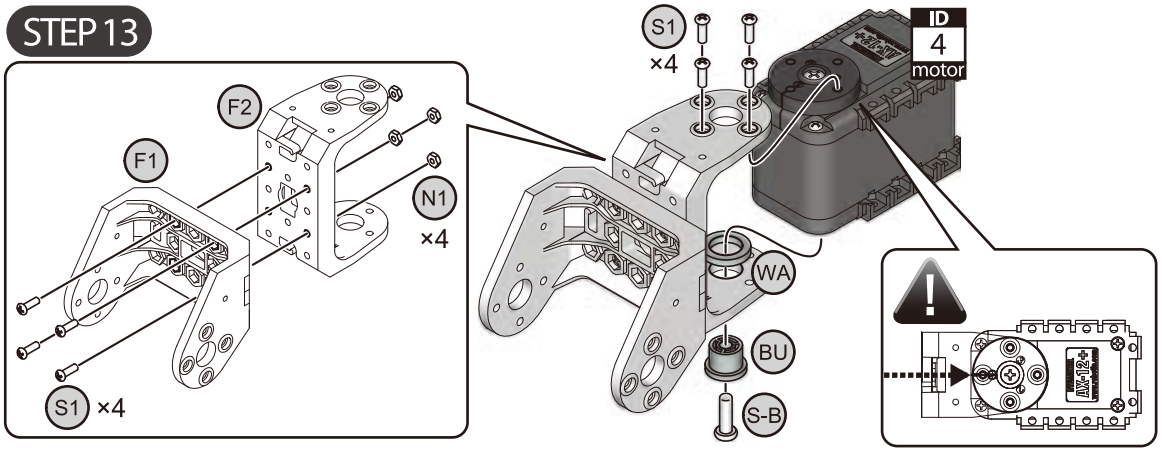

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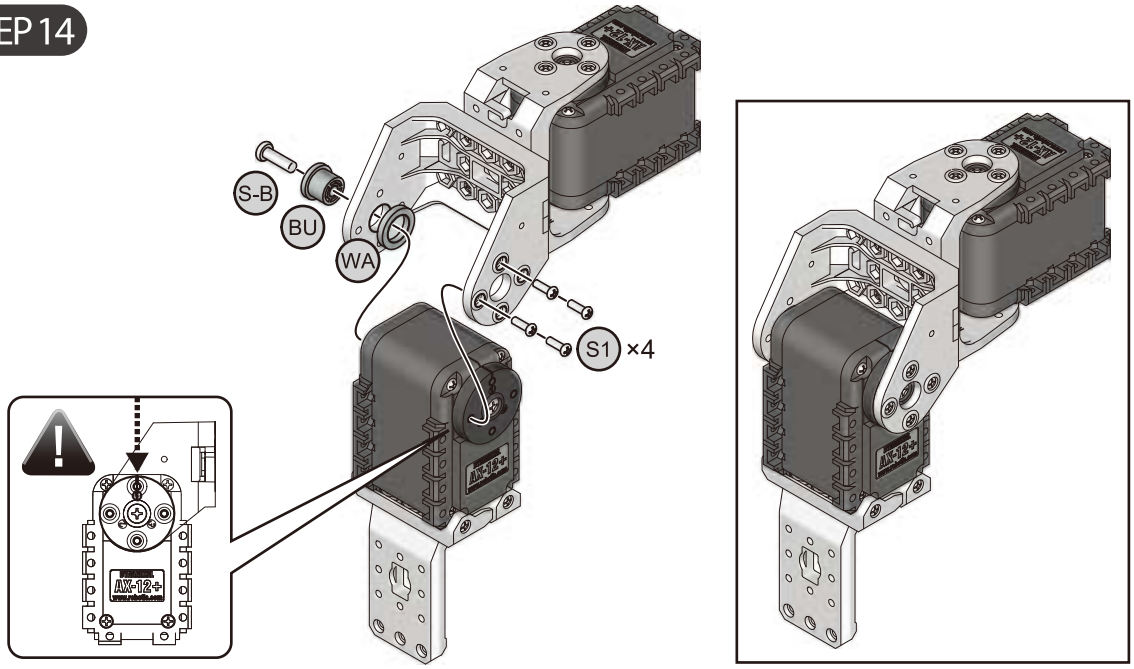

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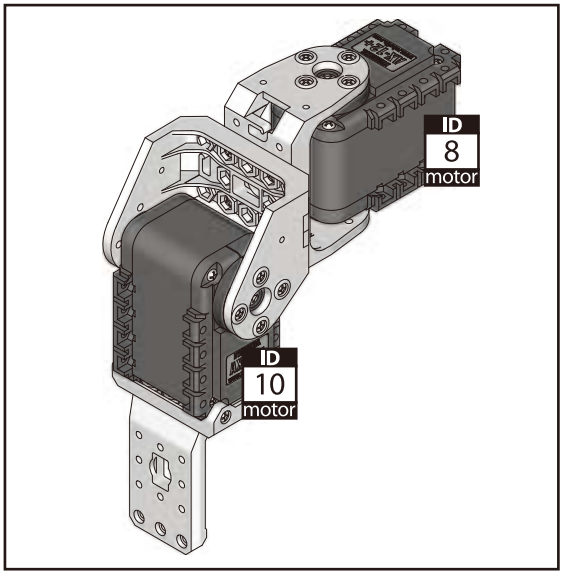

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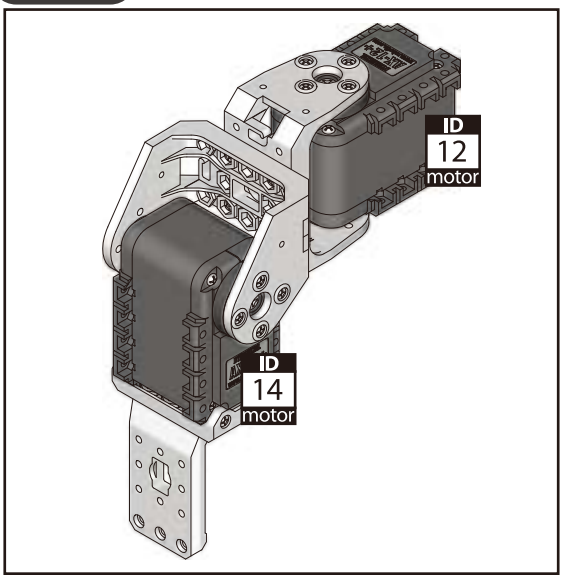

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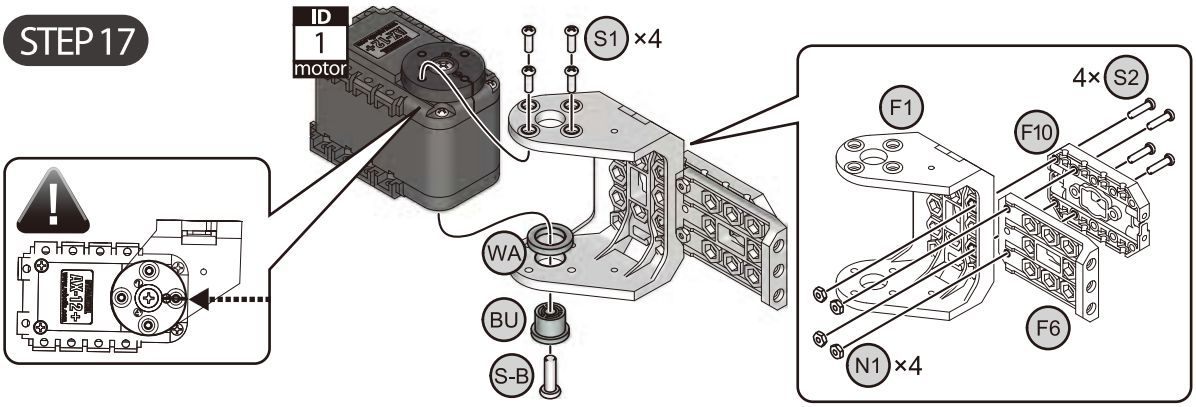

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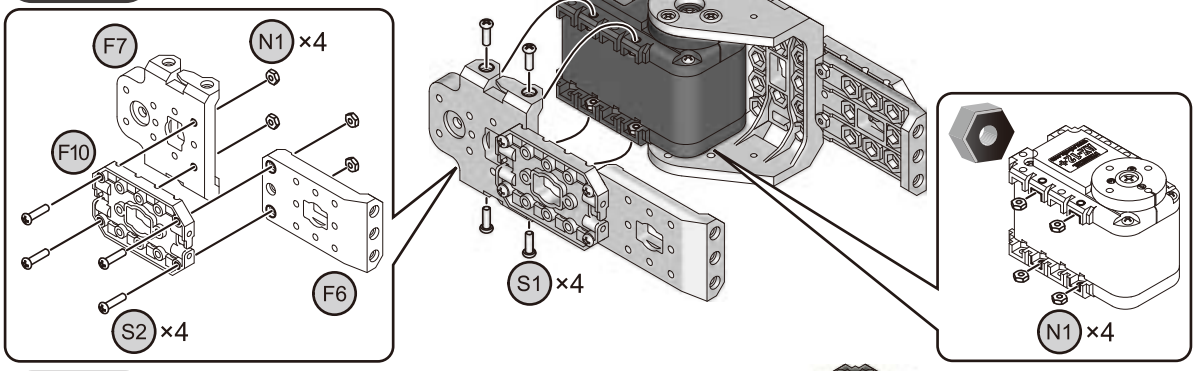

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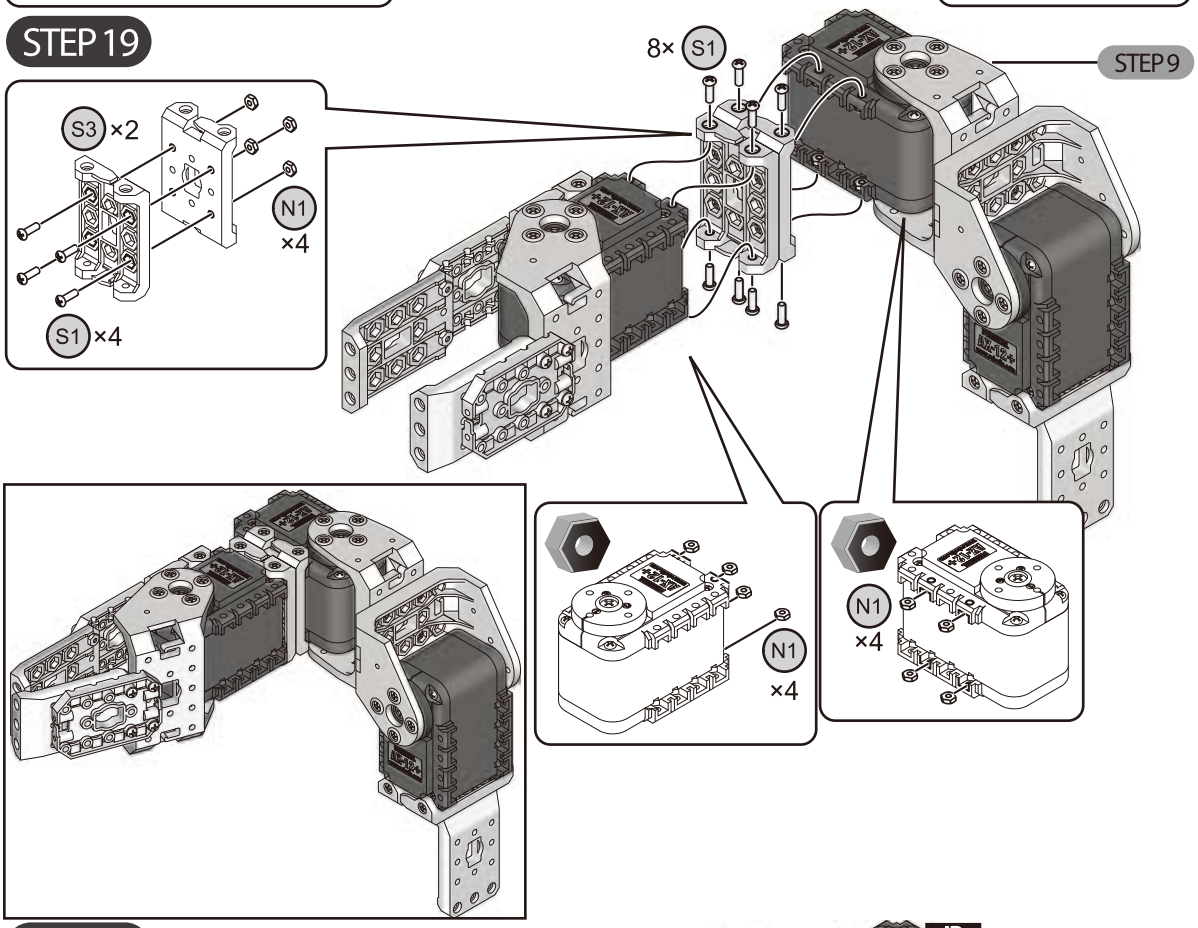

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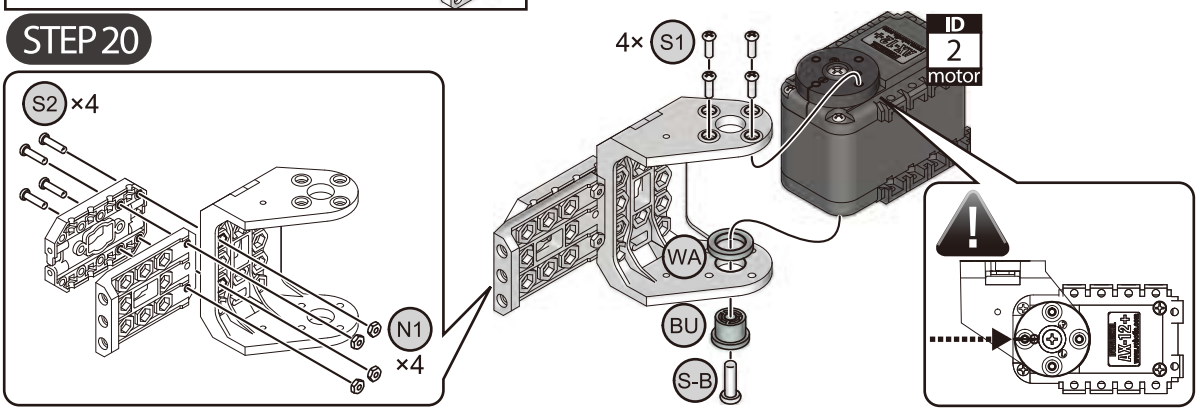

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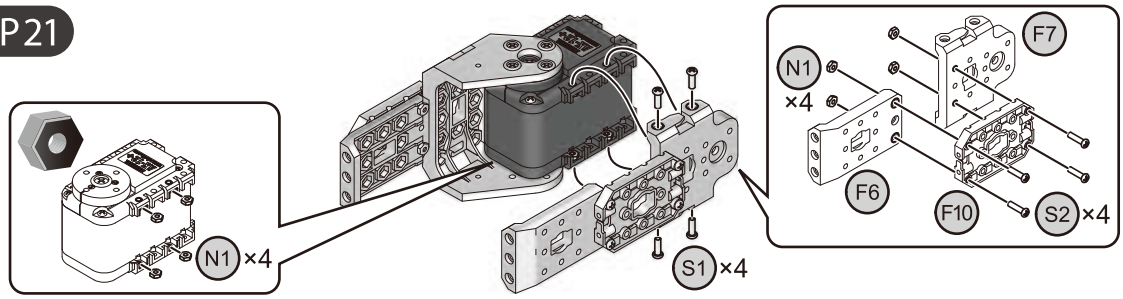

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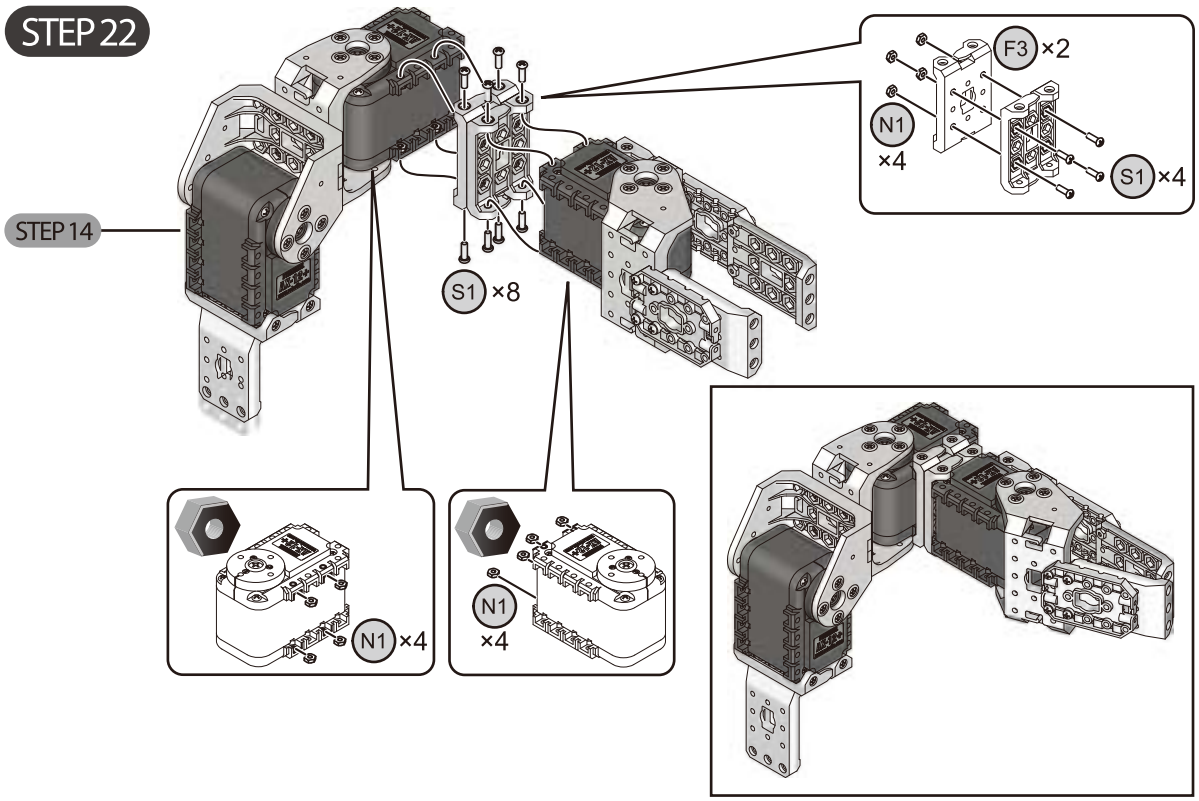

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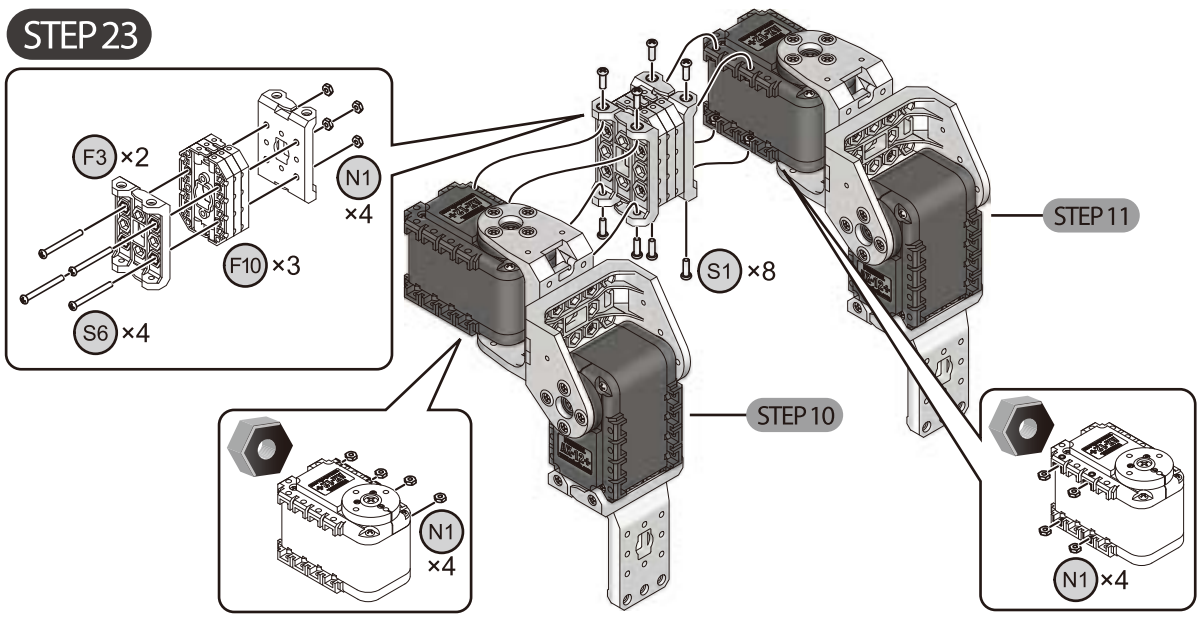

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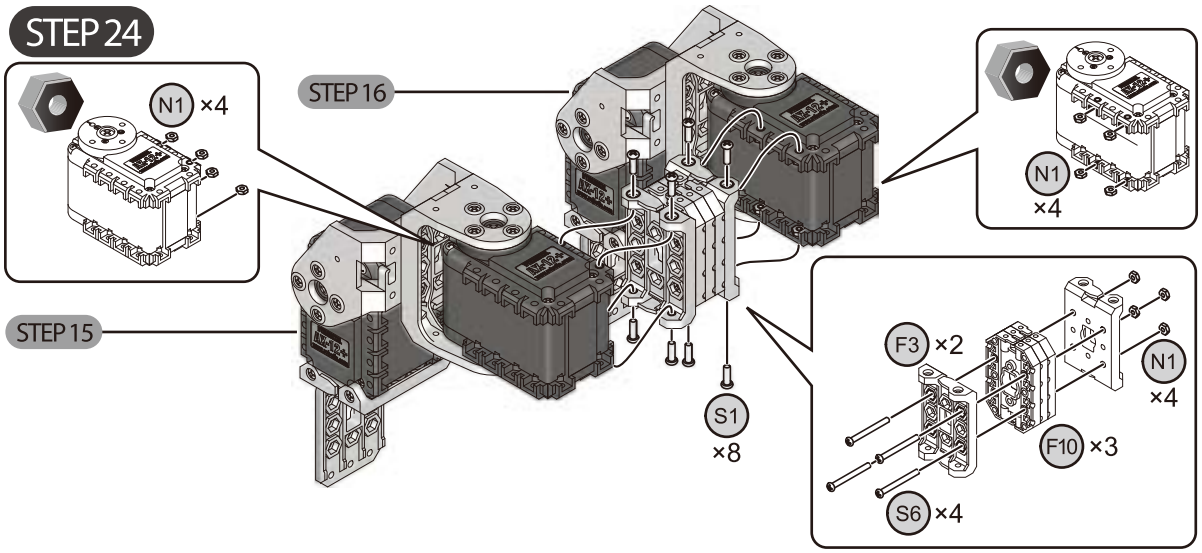

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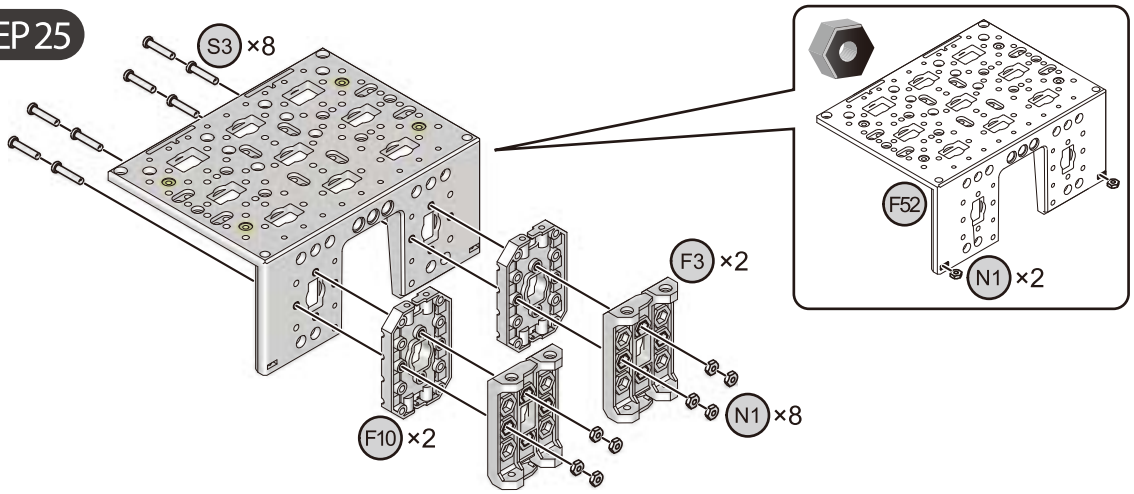

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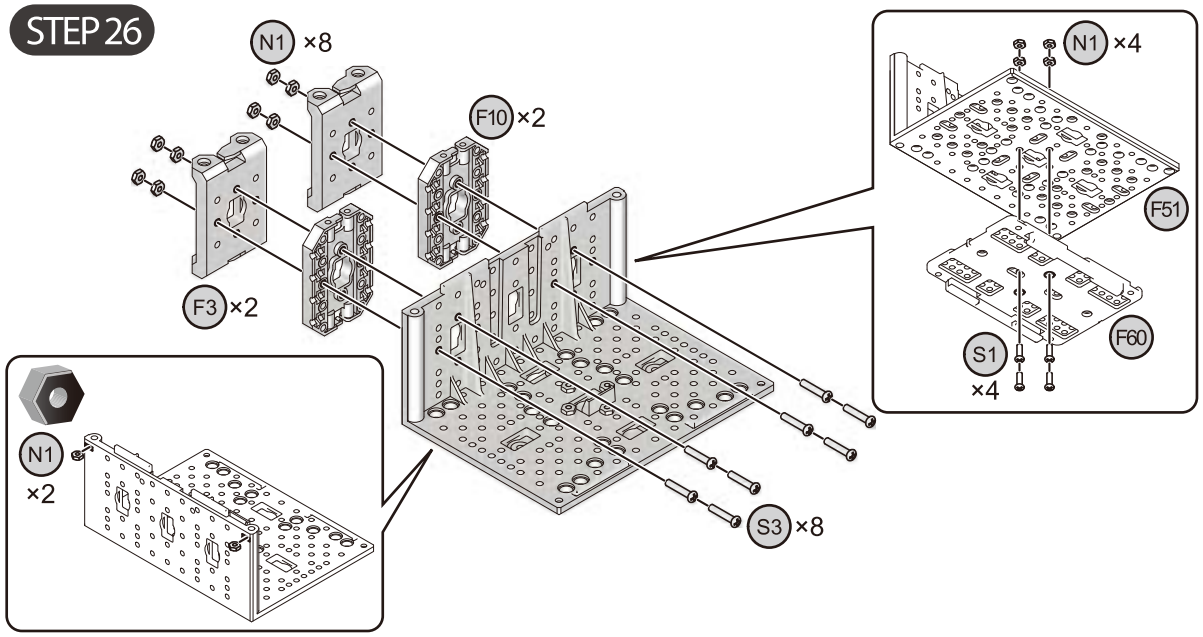

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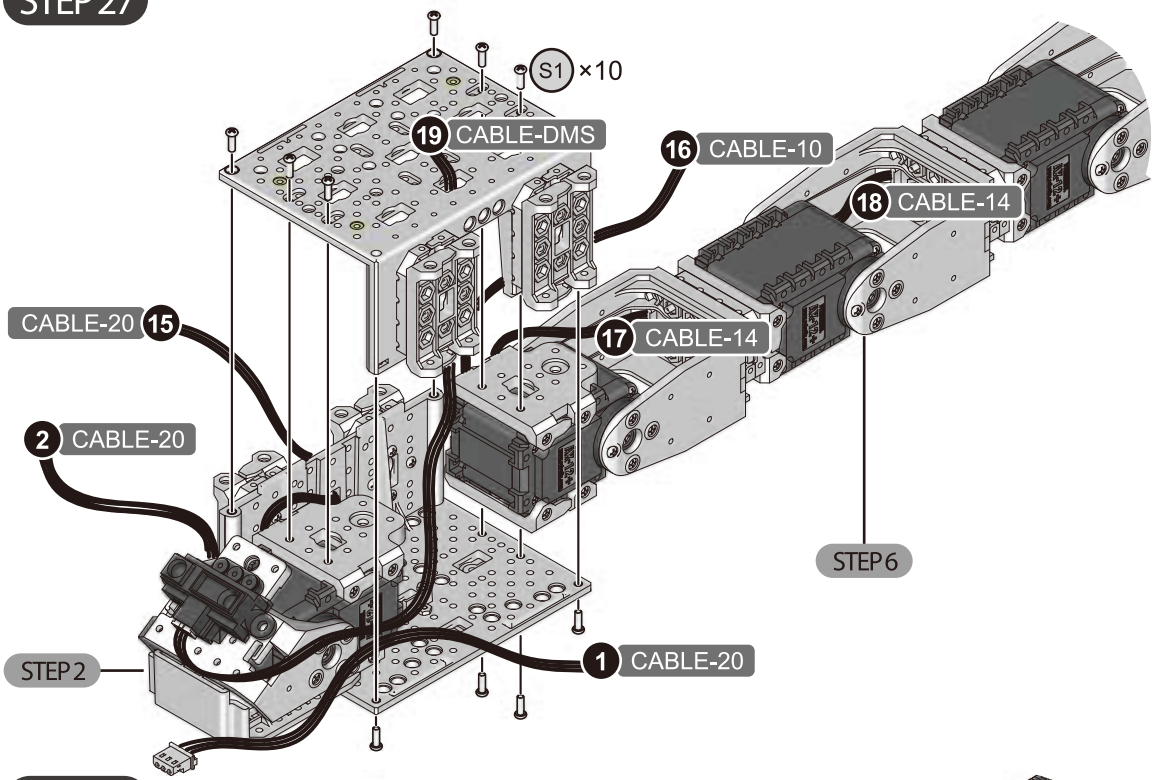

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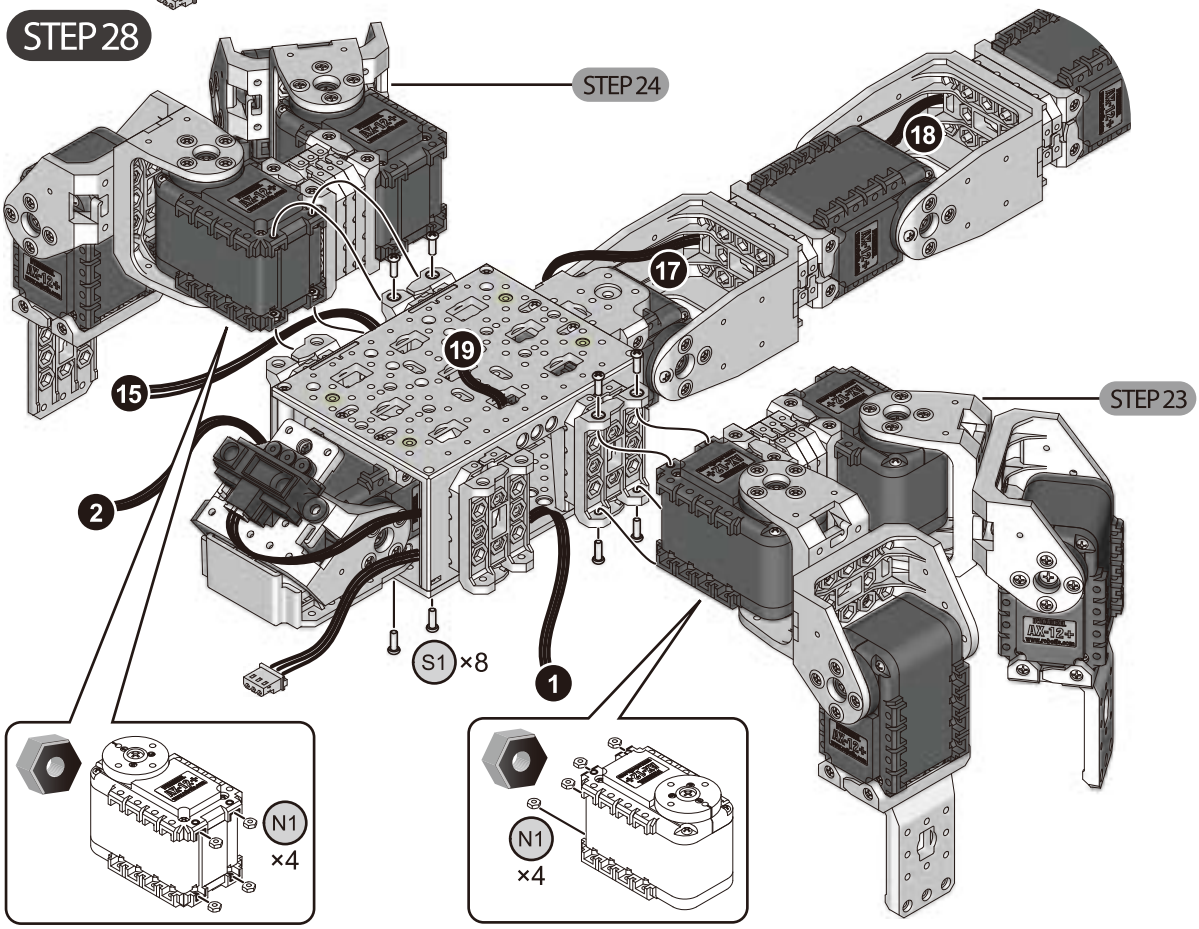

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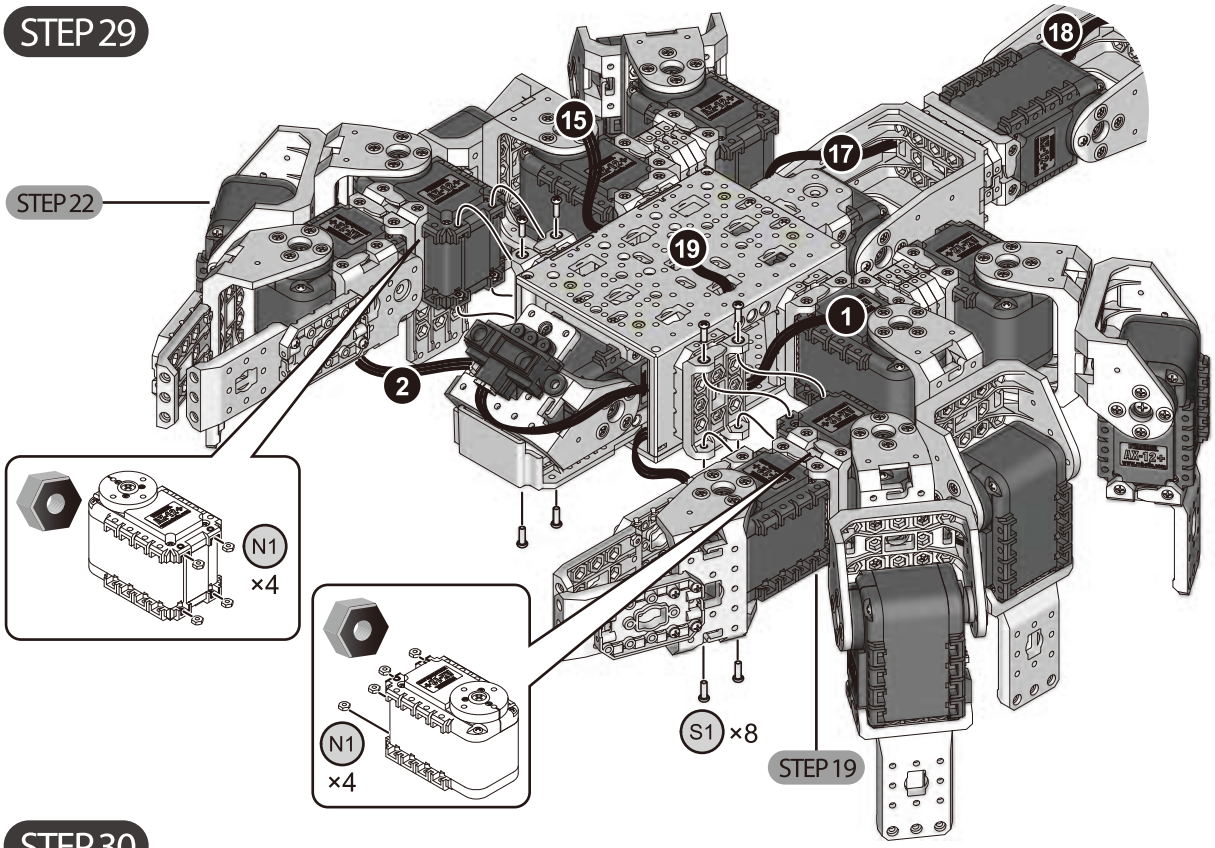

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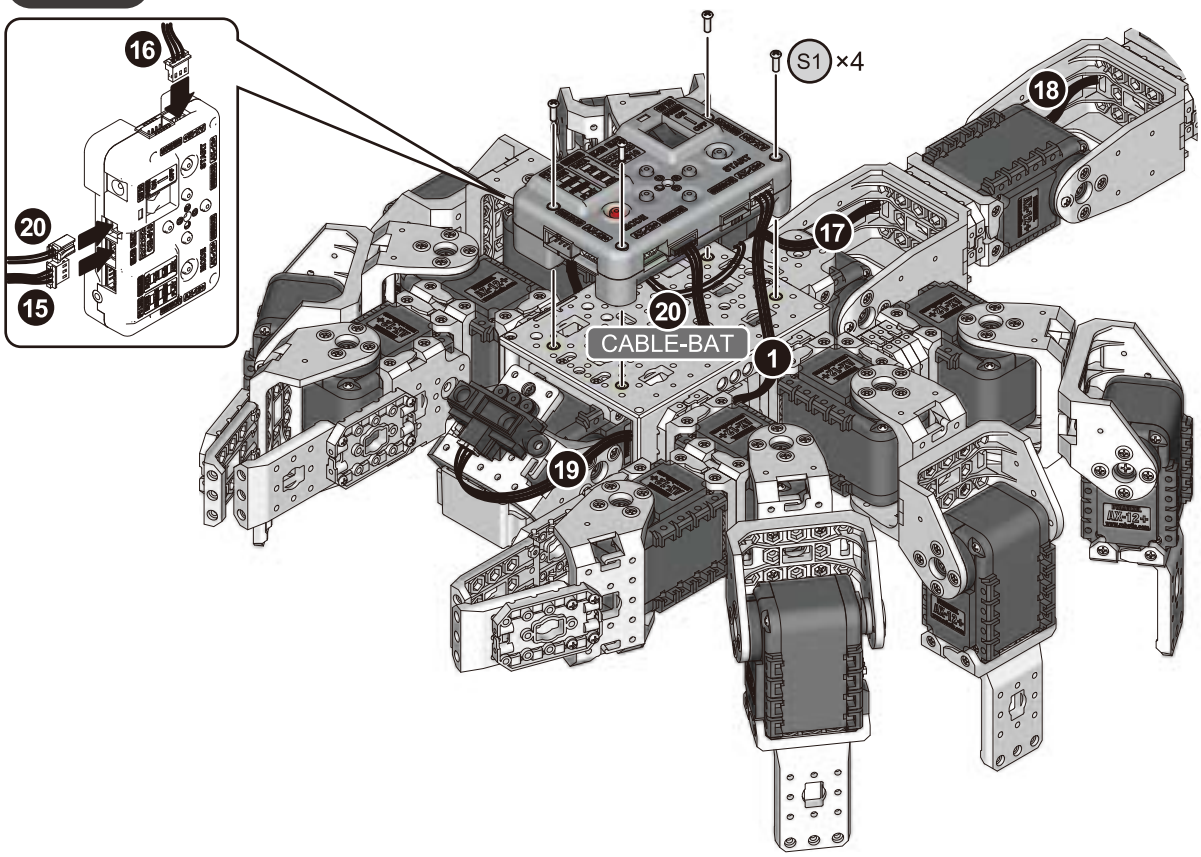
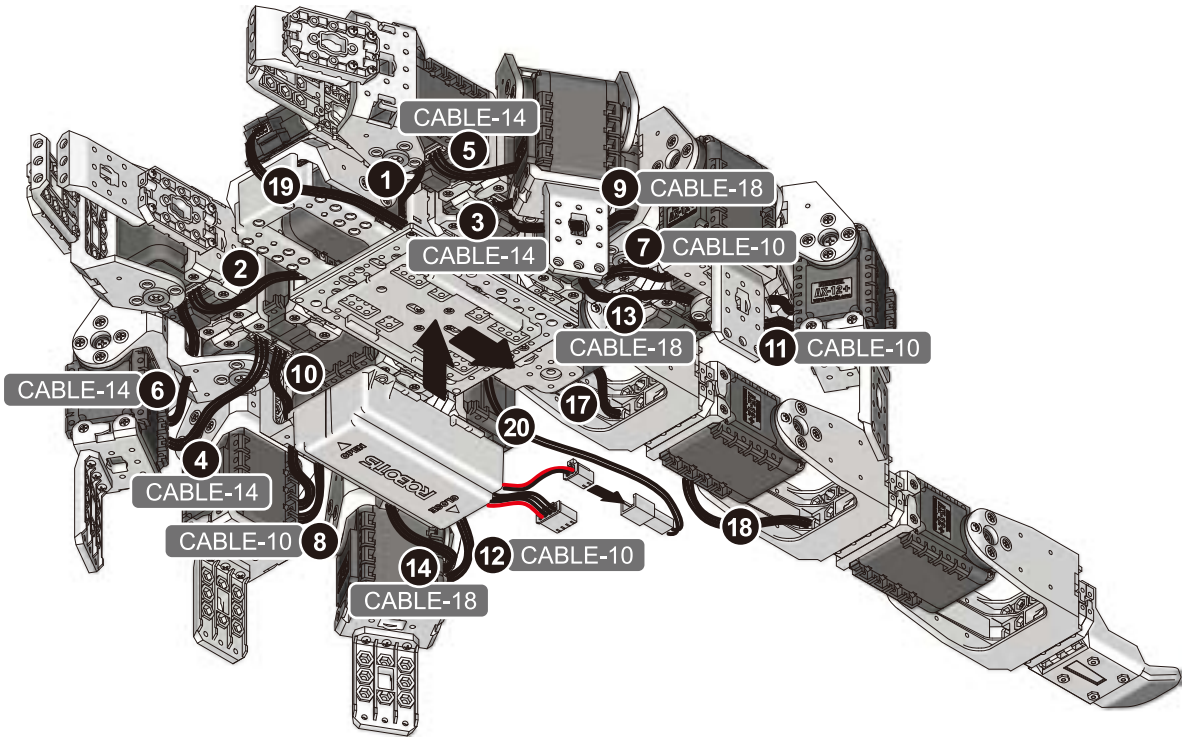
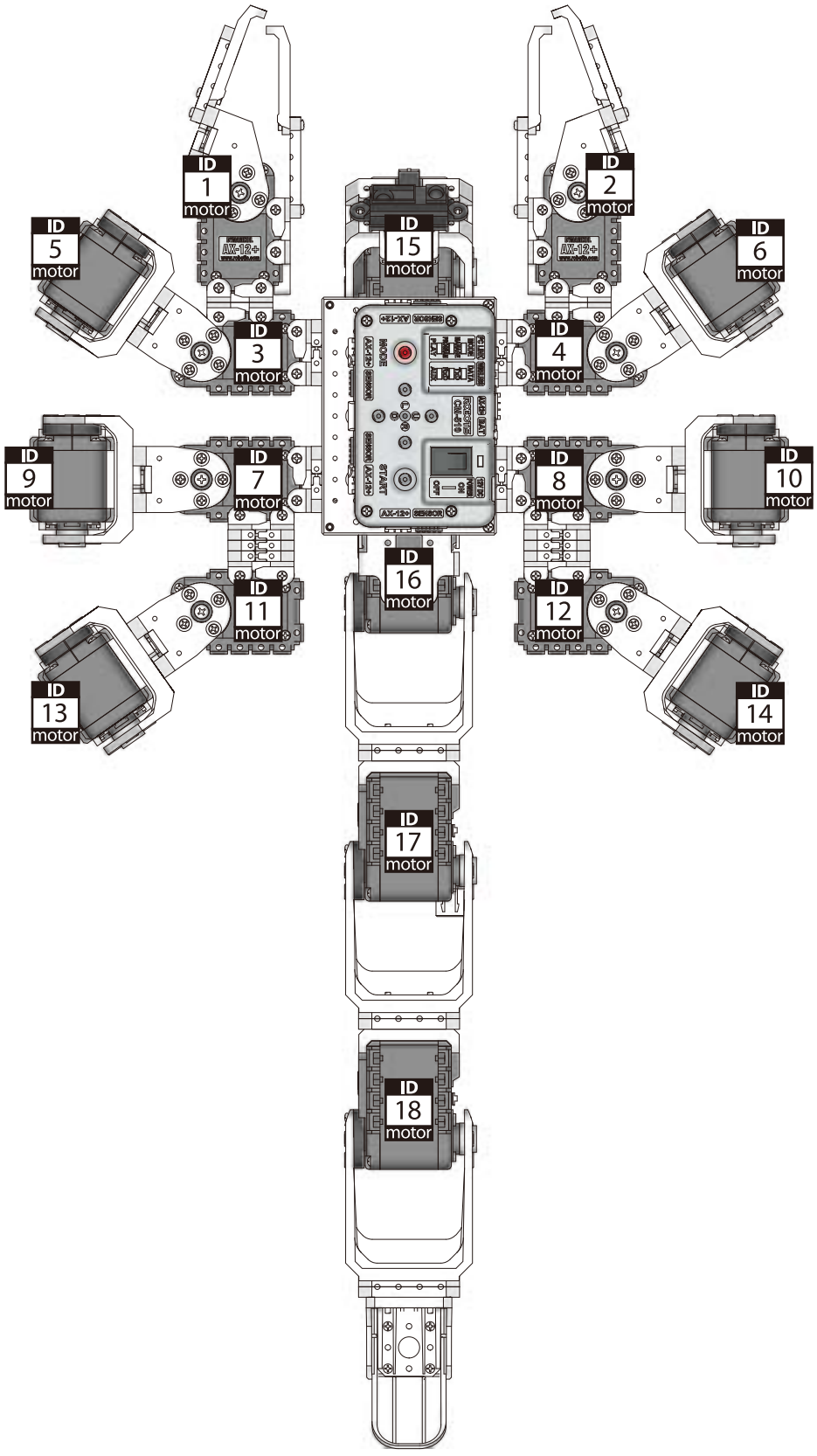


STEP 31



ID 1 motor	1 CABLE-20	CM-510	ID 11 motor	11 CABLE-10	ID 13 motor
ID 2 motor	2 CABLE-20	ID 15 motor	ID 12 motor	12 CABLE-10	ID 14 motor
ID 3 motor	3 CABLE-14	ID 5 motor	ID 13 motor	13 CABLE-18	ID 7 motor
ID 4 motor	4 CABLE-14	ID 6 motor	ID 14 motor	14 CABLE-18	ID 8 motor
ID 5 motor	5 CABLE-14	ID 1 motor	ID 15 motor	15 CABLE-20	CM-510
ID 6 motor	6 CABLE-14	ID 2 motor	ID 16 motor	16 CABLE-10	CM-510
ID 7 motor	7 CABLE-10	ID 9 motor	ID 17 motor	17 CABLE-14	ID 16 motor
ID 8 motor	8 CABLE-10	ID 10 motor	ID 18 motor	18 CABLE-14	ID 17 motor
ID 9 motor	9 CABLE-18	ID 3 motor	DMS	19 5P-CABLE 15	CM-510 *PORT 3*
ID 10 motor	10 CABLE-18	ID 4 motor	BAT	20 CABLE-BAT	CM-510


ID 1 motor
ID 2 motor
ID 3 motor
ID 4 motor
ID 5 motor
ID 6 motor
ID 7 motor
ID 8 motor
ID 9 motor
ID 10 motor
ID 11 motor
ID 12 motor
ID 13 motor
ID 14 motor
ID 15 motor
ID 16 motor
ID 17 motor
ID 18 motor
AX-12+

Assembly Check

After assembly please check the following procedure to ensure correctness.

STEP 1

Run the assembly check program

Set the robot in **PLAY** mode; hold the **D** button then press **START**.

Once the **START** button is pressed, the assembly check program begins.

STEP 2

AX12+ initial position and ID check

Select each actuator separately and compare it to the picture below.

Ensure the actuators' horns are properly aligned (the horn's notch should be aligned with the actuator's).

Pressing the **U** or **D** button, selects one actuator at a time.

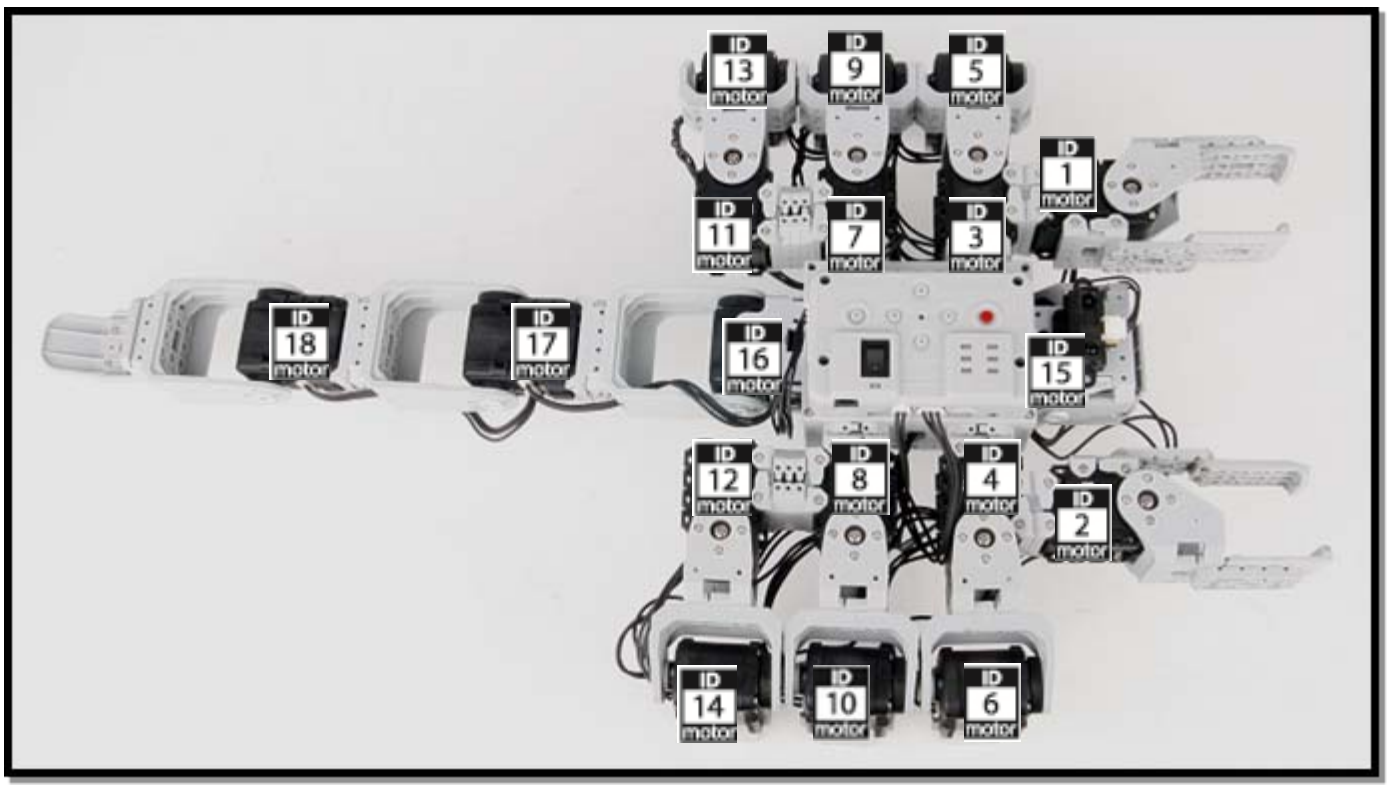
The selected actuator's LED lights up and goes to its initial position.

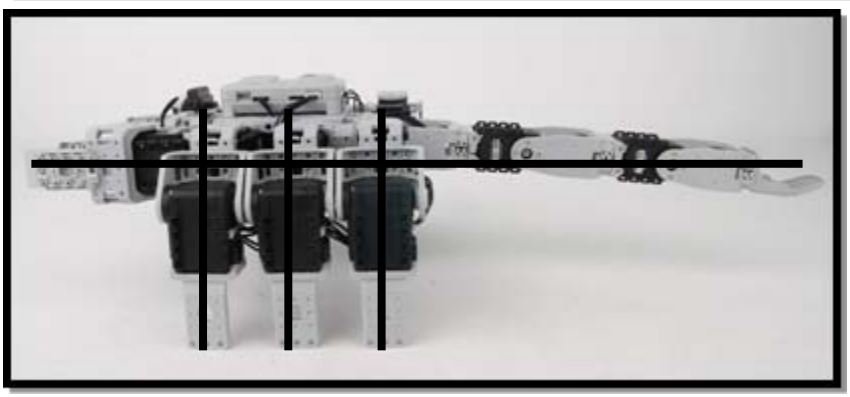
Check starts from ID1.

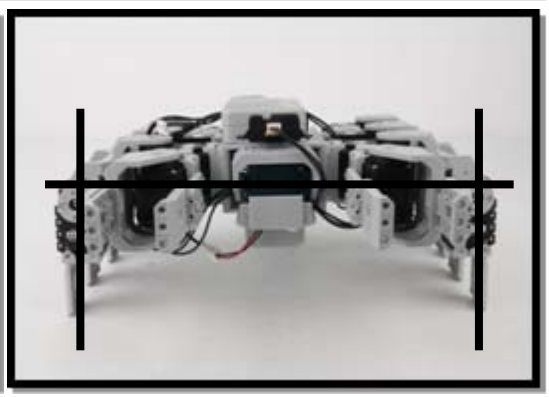
U moves to the next ID in ascending numerical order; **D**, in descending numerical order.

If the actuator's ID does not exist then the robot beeps.

Although the LED may lit, if there is no power, then check the wiring on the actuator.



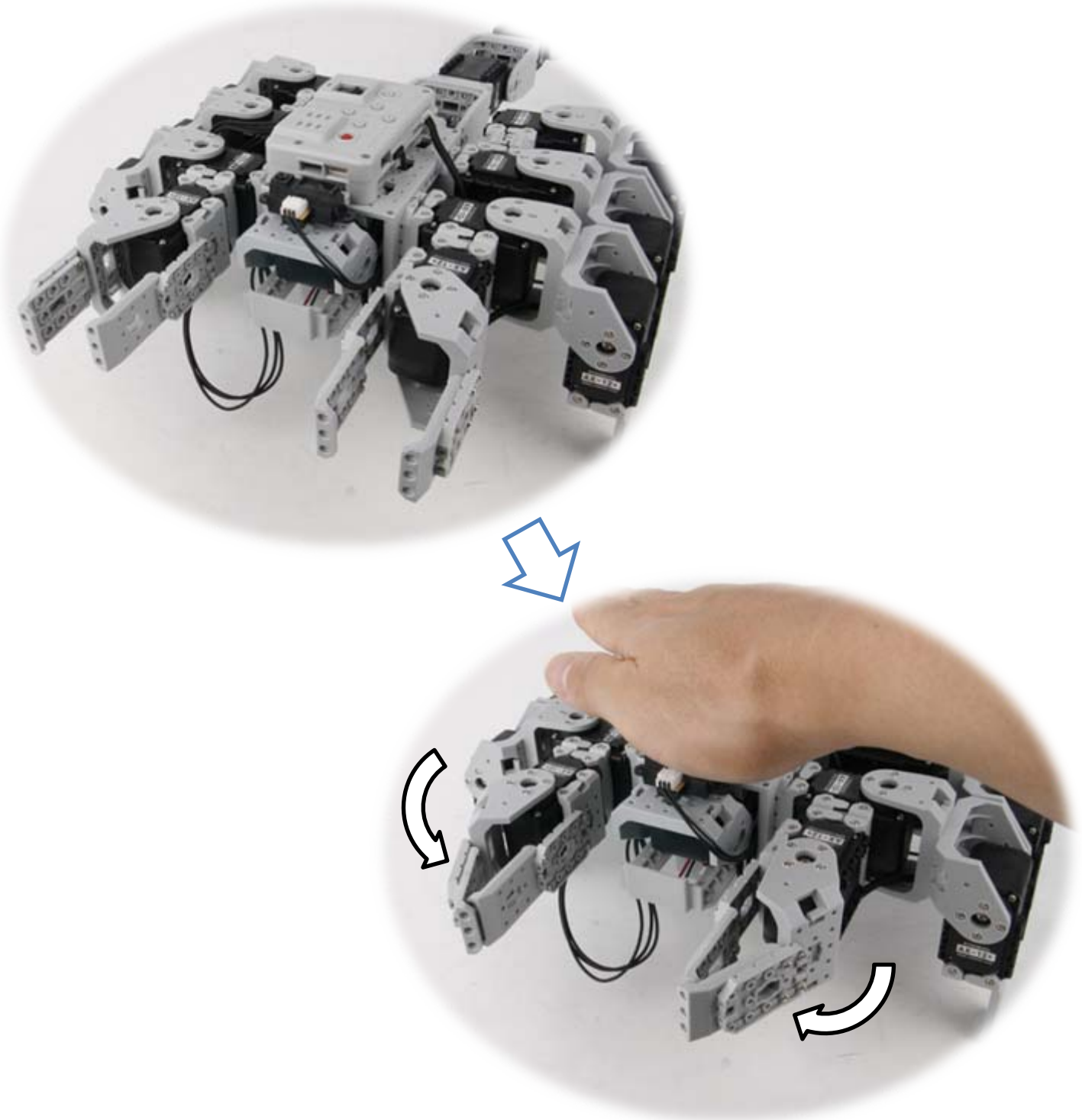




STEP 3

Sensor and behavior check

From STEP② press **R.** The robot returns to its initial position as pictured above.
Place your hand close to the sensors, as pictured below. Robot behavior begins.
If the robot does not behave, as pictured below, then check the sensor wiring and its port.
Pressing **L** will return the robot back to STEP②.



STEP 4

If everything works fine, play the robot.

Set the robot in **PLAY** mode. Press **START** and the robot will play.