STEP 1

- N1 x2
- F54
- S1 x2
- F1
- S1 x4
- WA
- BU
- S-B
- ID 15 motor
- RIVET x3
- DMS

STEP 2

- S1 x8
- F7
- 2x N1
- F55
- N1 x8
- F8

STEP 3

- S-B
- BU
- WA
- S1 x4
- ID 16 motor
- N1 x4
- F10 x2
- F4
- F3 x4
- S5
- F10 x2
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.
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.

If everything works fine, play the robot.
Set the robot in PLAY mode. Press START and the robot will play.