

Note.

1.....ScrewMounting.....ScrewRear.....ScrewRear

.....Screw.

2.....Screw...Front.....



Install.....Pcs....Screw·Outer·

No.....Assembly...Hand.....



AssemblyHand.....Pcs.....Screw·

| .PcsName | Quantity |
|-------------------|----------|
| DM340p Motor | 3 个 |
| atom Hand- 副本 (1) | 1 个 |
| atom Hand- 副本 (2) | 2 个 |
| atom Hand- 副本 (3) | 2 个 |
| atom Hand- 副本 (4) | 1 个 |
| m3*8 ..Screw | 12 个 |
| m3*10 ..Screw | 12 个 |
| m3*10 ..Screw | 12 个 |
| m3*16 ..Screw | 24 个 |

表 1 ...Hand.....Assembly·Pcs·Quantity

Step 1:

Assembly Hand副本 (3) 与 DM340p Motor... 1.1、图 1.2、图 1.3 所示。将 DM340p Motor-

入 atom Hand副本 (3).Middle...Rear... m3*8 ..ScrewMounting...

Total.. m3*8 ..Screw 6 ...NoteMotor..... 1.3)



图 1.1 AssemblyFront



图 1.2 AssemblyRear



图 1.3 接口位置示意图

Step 2:

Assembly 1 ..Assembly..atom Hand 副本 (4), 如图 2.1 所示。将 atom Hand 副本 (4) 连接在 atom Hand 副本 (3..Middle..InstallMotor...Side....Pcs..Rear.. m3*10 ..ScrewMounting.. Total.. m3*10 ..Screw 12 个。



图 2.1 AssemblyFront



图 2.2 AssemblyRear

Step 3:

Assembly Hand 副本 (3) 与 DM340p Motor... 3 ...Step 3 .Step 1 完全相同, 将 DM340p Motor.. atom Hand 副本 (3..Middle...Rear.. m3*8 ..ScrewMounting.. Total.. m3*8 ..Screw 6 个。



图 3 AssemblyRear

Step 4:

Assembly 1 ..Assembly..atom Hand副本 (1), 如 4.1、4.2Assembly..Middle- atom Hand副本 (4) 与 atom Hand副本 (1.MiddleOuterSide.....Rear.. m3*16 ..ScrewMounting. Total.. m3*16 ..Screw 6 个。



图 4.1 AssemblyFront



图 4.2 AssemblyRear

Step 5:

Assembly 1 ..Assembly..atom Hand副本 (1.Middle... 5.1、5.2 所示。将 atom Hand. 副本 (1) 的另一端与 DM340p Motor....Rear.. m3*10 ..ScrewMounting. Total.. m3*10 ..Screw 6 个。



图 5.1 AssemblyFront



图 5.2 AssemblyRear

Step 6:

Assembly Hand副本 (2..Step 2 Middle...Assembly.... 6.1、6.2 所示。先采用 m3*16 杯头螺 .MountingRearm3*10 ..Screw. DM340p Mounting. Total.. m3*16 ..ScrewTotal6 个。



图 6.1 AssemblyFront



图 6.2 AssemblyRear

Step 7:

Assembly6 .Assembly..Step 5 .Assembly.... 7.1、7.2Step 6 Assembly.Middle Hand-
副本 (2.....Step 5 Assembly-Middle Hand副本 (1..Motor.....
Total.. m3*16 ..ScrewMounting.Total.m3*16 ..Screw 6 个。



图 7.1 AssemblyFront



图 7.2 AssemblyRear

Step 8:

Assembly7 .Assembly.. atom Hand副本 (2), 如图 8Assembly...Middle..Motor....
atom Hand副本 (2-Mounting-
Total.. m3*16 ..ScrewTotal6 个。



图 8 AssemblyFront

Hand-Assembly.....Step.....Hand....



图 9 Hand-Assembly...

No.....Assembly.....



Assembly.....Pcs.....Screw.....

| PcsName | Quantity |
|---------------------|----------|
| DM-J10010L Motor | 1 个 |
| DM4340p Motor | 2 个 |
| ..JointBearing | 4 个 |
| Universal...Bearing | 1 个 |
| Foot.....Pcs | 1 个 |
| Lower LegBearing. | 2 个 |
| FootBottomLink | 1 个 |
| FootBottom. | 1 个 |
| OutputFlangeLink | 2 个 |
|Bearing | 1 个 |
| LimitPin | 2 个 |
| m4*8 ..Screw | 12 个 |
| m3*8 ..Screw | 12 个 |
| m5*10 ..Screw | 4 个 |
| m5*12 ..Screw | 10 个 |
| m3*12 ..Screw | 10 个 |
| m5*16 ..Screw | 4 个 |
| m5*10 ..Screw | 9 个 |
| m4*14 ..Screw | 2 个 |

表 2Assembly.Pcs.Quantity

Step 1:

AssemblyThighInversee DM-J10010L Motor... 1.1、1.2Pcs.Motor.....

..Motor..... DM-J10010L-2EC.....Lower..Rear...

m4*12 ...Screw.....Upper m4*8 ..Screw.....Rear...

定位用的 m4*12 .Screw..... m4*8 ..Screw.

Total.. 8 个 m4*8 ..Screw.



图 1.1 AssemblyFront



图 1.2 AssemblyRear

Step 2:

AssemblyLower Leg DM4340p Motor... 2.1、2.2 所示。将 2 个 DM4340pLower Leg....
.....UpperLower.....Rear... m3*8 ..Screw....No....Assembly....Rear....
(即先采用 m3*12 ...Screw.....Upper m3*8 ..Screw.....
.Rear..... m3*12 ..Screw..... m3*8 ..Screw..
Total.. 12 个 m3*8 ..Screw...Motor 6 个。



图 2.1 AssemblyFront



图 2.2 AssemblyRear

Step 3:

Assembly...Link- 4 ...JointBearing... 3.1、3.2、3.3Link-
..Inner.....Hand... 4 ...JointBearing..Link...Link....JointBearing..Note
..Hand.....Bottom...



图 3.1 AssemblyFront

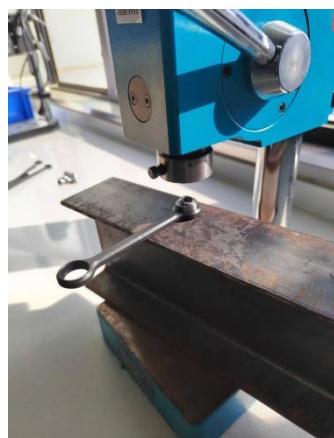


图 3.2 Hand..Assembly...



图 3.3 AssemblyRear.....

Step 4:

AssemblyUniversal...Bearing.Foot.....Pcs... 4.1 至 4.4Lower..Bearing.....
Bearing...Rear..Hand.....Bearing.....Foot.....PcsMiddle....Universal...
Shaft....Bearing..Middle...



图 4.1 AssemblyFront....

图 4.2 Hand..Assembly...



图 4.3 ..Bearing..



图 4.4 AssemblyRear....

Step 5:

Assembly4 .Assembly..Step 2 .Assembly.... 5.1、5.2Lower LegBearing..Universal-
..Bearing.....Step 2 Middle-Lower Leg-Rear... m5*10 ..Screw..Mounting. m4*8 ..Mounting-
Total.. 4 个 m5*10 ..Screw. 4 个 m4*8 ..Screw.



图 5.1 AssemblyFront



图 5.2 AssemblyRear

Step 6:

Assembly 5 .Assembly..FootBottom..FootBottomLink6.2FootBottomLink.....
·FootBottom.....Rear..... m5*12 ..ScrewMounting....Rear.Lower LegLower..Foot....
·Pcs.FootBottom.....Rear..... m5*12 ..ScrewMounting.
Total.. 10 个 m5*12 ..Screw..MiddleFootBottom ..Foot.....Pcs 6 个。



图 6.1 AssemblyFront



图 6.2 AssemblyRear

Step 7:

Assembly 6 .Assembly-2 .OutputFlangeLink-Step3 .Assembly.... 7.1、7.2Output-
·Link..Lower LegUpper.Motor....Side..... m3*12 ..Screw....Rear...Joint
Bearing..Install.OutputFlangeLinkUpper..Rear5*16 ..Screw..Mounting..Link-
Total.. 10 个 m3*12 ..Screw...OutputFlangeLink..... 5 ..Total.. 4 个 m5*16 ..Screw...
Bearing。



图 7.1 AssemblyFront



图 7.2 AssemblyRear

Step 8:

Assembly 6 .Assembly..Step7 .Assembly.... 8ThighInnerSide.Lower Leg.....Shaft
...ThighInnerSide.Lower Leg....Middle.....Rear..... m5*10 ..ScrewMounting..NoteLimitPin-
..CalibrationRearInstall..LimitPinInstall....LimitPin..ThighLeftLower.RightUpper..... m4*14 杯
·ScrewMounting Total
Total.. m5*10 ..Screw 9 个。



图 8 AssemblyFront

..Assembly.....Step.....



图 9 ..Assembly...

No.....Assembly.....



Assembly.....Pcs.....Screw.

| .PcsName | Quantity | .PcsName | Quantity |
|------------------|----------|---------------|----------|
| DM-J10010L Motor | 6 个 | m4*8 ..Screw | 72 个 |
| .Clamp Plate | 2 个 | m5*16 ..Screw | 28 个 |
|Bearing | 4 个 | m4*10 ..Screw | 12 个 |

| | | | |
|--------------------------------|-----|---------------|------|
|Pcs | 4 个 | m4*10 ..Screw | 8 个 |
|PcsEnlarged HoleFlange 3 个 | | m3*10 ..Screw | 4 个 |
| ..Enlarged HoleFlange 2 个 | | m4*12 ..Screw | 16 个 |

表 3Assembly-Pcs-Quantity

Step 1:

Assembly DM-J10010L Motor... 2 ..Clamp Plate... 1.1、1.2 所示。将 2 个 DM-J10010L 与 1 个髋夹
.....Note..Motor... DM-J10010L-2EC....Side.....Install
m4*8 ..Screw.....ScrewUpper..Rear...Screw...Adjust.....
..Screw.....Install...Clamp Plate.....Clamp Plate.....
.....Install m4*8 ..Screw..
Total.. m4*8 ..Screw 32 个。



图 1.1 AssemblyFront



图 1.2 AssemblyRear

Step 2:

Assembly ...Assembly..2Bearing... 2Pcs... 2.1 至 2.3Step 1 装
..Motor...Lower..Rear... 2Bearing....Assembly..Clamp Plate..Middle..Motor....
接着将 2Pcs..... DM-J10010L Motor.....Rear... m5*16 ..Screw
Mounting.
Total.. m5*16 ..Screw 14 ...Middle.....Pcs 7 个。



图 2.1 Assembly....Bearing



图 2.2 Assembly....Pcs



图 2.3 AssemblyRear

Step 3:

Assembly ...Assembly..2 个 DM-J10010L Motor.....Step 2 Assembly.....Pcs.

.....Rear.....DM-J10010L ...Side...Outer.....DM-J10010L”字符倒过来
 .Upper...Install...Assembly2PcsUpper..LeftRight-SideTotal.....Upper..LeftRight.....
 m4*10 ..ScrewMounting..Rear.m4*10 ..Screw...FlangeUpper-Lower.Total4Mounting...
 .PcsLower.....Rear.....m3*10 ..ScrewMounting..
 Total.. m4*10 ..Screw 12Motor 6 个; m4*10 ..Screw 8Motor 4 个; m3*10
 ..Screw 4Motor 2 个。



图 3.1 AssemblyFront



图 3.2 Assembly-Screw



图 3.3 AssemblyRear

Step 4.AssemblyS³ .Assembly..2PcsEnlarged HoleFlange...4.1、4.2Motor..
 .Motor...Inner.....PcsEnlarged HoleFlangeInstall...MotorOuterSide..Flange..Upper.....
 m4*8 ..ScrewMounting..
 Total.. m4*8 ..Screw 20PcsEnlarged HoleFlange10 个。



图 4.1 AssemblyFront



图 4.2 AssemblyRear

Step 5:

Assembly4 .Assembly..2Bearing.....2Pcs. 2 个 DM-J10010L Motor... 5.1、
 5.2 所示。将 2Bearing....Step 4 Assembly-Middle-Motor....Side2 ...Middle..Rear
Pcs..... DM-J10010L Motor.....Rear.....m5*16 ..ScrewMounting..
 DM-J10010L Motor.... DM-J10010L.....Upper..Step 5 Assembly-Middle.....Pcs..
 ...Rear.....Pcs..Upper..... m4*8 ..ScrewMounting..Rear.m4*12 ...Screw..
PcsUpper..Lower.Total4Mounting..
 Total.. 14 个 m5*16 ..Screw..Middle.....Pcs 7 个; m4*8 ..Screw 20Motor 10
 个; m4*12 ...Screw 8Motor 4 个。



图 5.1 AssemblyFront



图 5.2 AssemblyRear

Step 6:

Assembly...Assembly...2 ...Enlarged HoleFlange6Motor...Motor...Inner...
...Enlarged HoleFlangeInstall...MotorOuterSide..Flange..Upper.....m4*8 ..ScrewMounting..Rear.
m4*12 ...Screw...FlangeUpper..Lower.Total 4Mounting.Total.. m4*8 ..Screw 20 个, 每
...Enlarged Hole...Total.. m4*12 ...Screw 8Enlarged HoleFlange1 个。



图 6 AssemblyFront

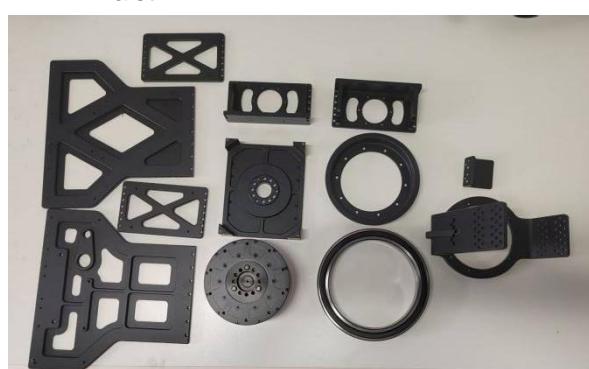
..Install...



图 7 ..Assembly...

No.....Assembly.....

&Waist



Assembly&Waist...Pcs.....Screw.

| PcsName | Quantity |
|----------------------|----------|
| Clamp Plate | 2 个 |
| 肩膀 | 2 个 |
| Side... | 2 个 |
| ...Bearing | 1 个 |
| BearingMounting | 1 个 |
| DM-J10010L Motor | 1 个 |
| Battery.. | 1 个 |
| Hip JointMountingPds | 1 个 |
| IMU Carrier Board | 1 个 |
| m4*10 ..Screw | 40 个 |
| m4*8 ..Screw | 10 个 |
| m5*10 ..Screw | 9 个 |
| m4*12 ..Screw | 4 个 |
| m4*12 ..Screw | 6 个 |
| m4*10 ..Screw | 14 个 |
| m3*8 ..Screw | 6 个 |

表 2: 机器人胸部 & WaistAssembly.Pcs.Quantity

Step 1:

Assem 1 .Clamp Plate 1 .肩膀和 2 .Side..... 2 .Clamp Plate...Side2Side..
Rear. m4*10 ...ScrewMounting.. 1 .Side.....Install...LowerSide...
 .Side.....Rear.. m4*10 ..ScrewMounting..Note..SideSide.....Battery...Pcs
 InstallRear.Mounting.
 Total.. m4*10 ..Screw 40 ...Middle...Clamp Plate... 7 ..Side...Total 12 个。



图 1.1 AssemblyFront



图 1.2 AssemblyRear

Step 2:

Assembly...Bearing..BearingMounting..Rubber.....Bearing..BearingMountingMiddle..



图 2.1 AssemblyFront



图 2.2 AssemblyRear

Step 3:

Assembly 1 ·Assembly ·DM-J10010L Motor ·Motor ... Lower ... Step
·Motor m4*8 ..ScrewMounting.
Total.. m4*8 ..Screw 10 个。



图 3.1 AssemblyFront



图 3.2 AssemblyRear

Step 4:

Assembly 2 ·Assembly ·Battery Step 3 Assembly ·MiddleMotor Lower ·Rear ·Battery Bearing
Upper DM-J10010L Motor ·Rear. m5*10 ..ScrewMounting.
Total.. m5*10 ..Screw 9 个。



图 4.1 AssemblyFront



图 4.2 Screw...



图 4.3 AssemblyRear

Step 5:

Assembly 4 ·Assembly ·Hip JointMountingPcs.4 Assembly ·Motor Upper Hip JointMountingPcs.
Motor MotorUpper Rear m4*12 ..Screw. m4*12 ..ScrewMounting....
.....Screw.....Screw·Hand·Hand.
Total.. m4*12 ..Screw 4 个; m4*12 ..Screw 6 个。



图 5.1 AssemblyFront



图 5.2 AssemblyRear

Step 6:

Assembly 5 ·Assembly ·Step5 ·Assembly ... Step 1 ·Assembly ... Upper ·Lower ... Step ·Assembly ·
·MountingPcs ·Upper ... Step 1 ·Assembly ·Upper m4*10 ..ScrewMounting.

Total.. 14 个 m4*10 ..Screw.



图 6.1 AssemblyFront



图 6.2 AssemblyRear

Step 7:

Assembly6 ..Assembly..IMU Carrier Board ..IMU Carrier Board ..Side ..Assembly ..MiddleHip JointMountingPcs ..Side.....Rear ..Hip JointMountingPcsOuter ..ScrewMounting ..Total ..m3*8 ..Screw ..6 ..Note ..Hip JointMounting Pcs ..Side... IMU Carrier Board



图 7.1 AssemblyFront



图 7.2 AssemblyRear

..Assembly...



图 8 胸部&WaistAssembly...

No.....Main Assembly

| .PcsName | Quantity |
|-------------------------|----------|
| 吊环 | 4 个 |
| 吊绳 | 1 套 |
| Mounting.. | 1 个 |
|Assembly.. | 1 个 |
| ...Hand...Assembly.. | 2 个 |
|Assembly.. | 2 个 |
| 机器人胸部&Waist..Assembly.. | 1 个 |
| DM340p Motor | 4 个 |
| atom Hand- 副本 (1) | 2 个 |
|Bearing | 2 个 |
| m4*12 ..Screw | 64 个 |
| m3*6 ..Screw | 12 个 |
| m3*16 ..Screw | 36 个 |
| m3*10 ..Screw | 12 个 |
| m5*10 ..Screw | 18 个 |

表 5 ...Main Assembly-Pcs-Quantity..

Step 1:

Assembly....WaistHip JointMountingPcs..... 1.1、1.2Clamp Plate..Hip Joint-
.PcsMiddle..... DM-J10010L-2EC....Side-Hip JointMountingPcs-Side..... 4 个
m4*12 ..Screw..OuterSideMounting..Rear.... m4*12 ..Screw....SideRear.....Side-
丝。

Total.. 64 个 m4*12 ..Screw..Middle..SideTotal 32 个。



图 1.1 AssemblyFront



图 1.2 AssemblyRear

Step 2..Assembly.....

2.1、2.2 ...AdjustAssembly..Joint-degree.....



图 2.1 AssemblyFront

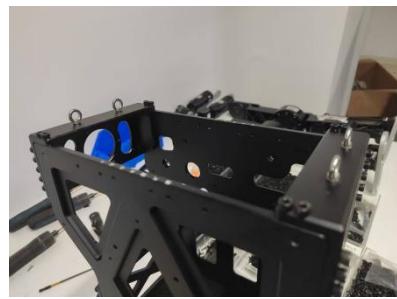


图 2.2 AssemblyRear

Step 3:

Assembly DM340p Motor... 3.1、3.2 所示。将 2 个 DM340p Motor...Assembly...
...Middle-Motor.....Inner-NoteInstall.....Rear... m3*6 ..ScrewMounting-
Total.. 12 个 m3*6 ..Screw..Middle..Motor 6 个。



图 3.1 AssemblyFront



图 3.2 AssemblyRear

Step 4:

Assembly atom Hand副本 (1), 如图 4.1、4.2 所示。将两个 atom Hand副本 (1)...Step 3
MiddleInstall...DM340p Motor... atom Hand副本(1)MiddleOuterSide..... DM340p Motor...
孔对齐, 使用 m3*16 ..ScrewMounting-
Total.. 12 个 m3*16 ..Screw..Middle..Motor 6 个。



图 4.1 AssemblyFront



图 4.2 AssemblyRear

Step 5. Assembly DM340p Motor... 5.1、5.2 所示。将两个 DM340p Motor....LeftRight-Side
atom Hand副本 (1)Middle...Side.....Rear... m3*16 ..ScrewMountingRear m3*10 杯头
ScrewMounting DM340p。

Total.. 12 个 m3*10 ..Screw..Middle..Motor 6 个。



图 5.1 AssemblyFront



图 5.2 AssemblyRear

Step 6. Assem^b;...Hand....

臂-副本 (2)..Side.....Assembly..

Total.. 12 个 m3*16 ..Screw..Middle..SideHand. 6 个。

6.1、6.2Assembly.....Hand.

atom Hand副本 (1).....Rear.

atom Hand

m3*16 ..ScrewMounting.



图 6.1 AssemblyFront



图 6.2 AssemblyRear

Step 7.....Mounting..Upper...Install.....

Step 8.Assembly.....FrontSide..

.....Bearing..MotorMiddle..Rear.....OuterSide..Motor.....

m5*10 ..ScrewMounting.

Total.. m5*10 ..Screw 18 个, 每条腿 9 个。

DM-J10010L Motor...Motor....Inner...



图 8.1 AssemblyFront



图 8.2 ..Bearing



图 8.3 AssemblyRear

.....Assembly...



.....Assembly...