

Packing List

1. Electronic Modules

Picture	Name	Quantity
	Aadept Robot HAT V3.1	1
	Raspberry Pi Camera	1
	SR-04 Ultrasonic Module	1
	3-CH Line Tracking Module	1
	WS2812 RGB LED Module	4
	18650 Battery Holder	1


2. Transmission Parts

S12D3 Coupling x2 	M4*4 Locking Screw x4 
AD002 Servo Motor x6 	GA12-N20 Gear Motor x2 
Motor Seat Set x2 	
Track x2	

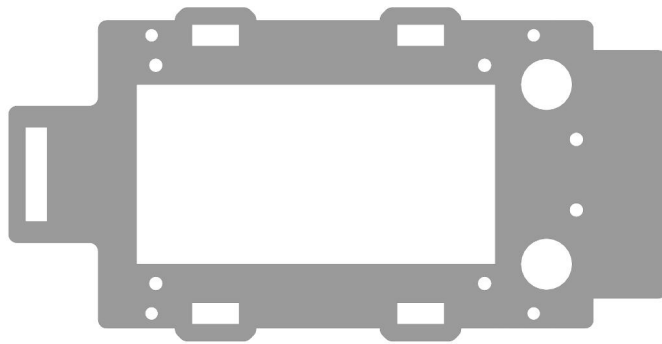


3. Fasteners

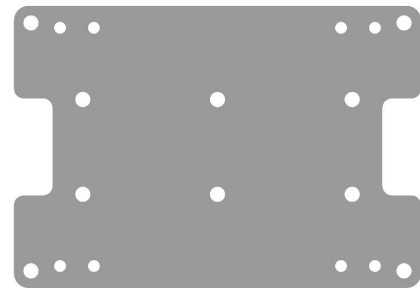
Hex Nuts M1.6 x12 M2 x22 M3 x16	Round Head Screw M1.6*10 x8 M2*10 x16 M2*14 x6 M2.5*8 x10 M2.5*10 x12 M3*8 x24 M3*12 x11 M3*18 x1 M3*30 x2 M4*6 x2
Lock Nut M3 x3	
Copper Standoff M2.5*14 x4 M2.5*21 x4 M3*6 x2 M3*8 x1 M3*18 x8 M3*35 x2	Copper Standoff M2.5*10+6 x4
Nylon Standoff	Countersunk Head Screw

M3*30	x1		M3*10	x5
M3*40	x2			

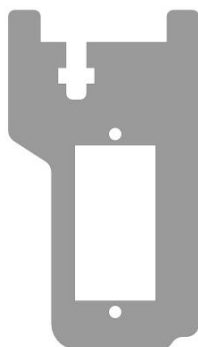
4. Acrylic Structural Parts



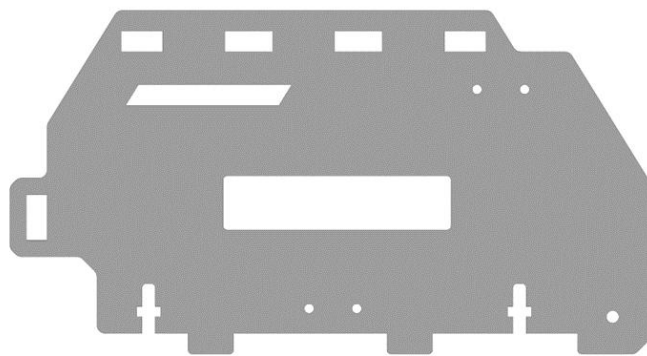
A01 1PCS



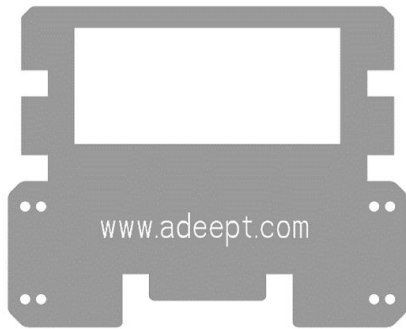
A02 1PCS



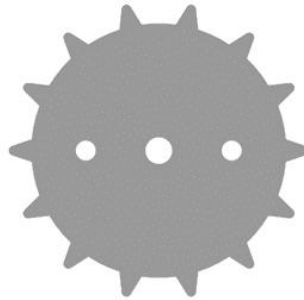
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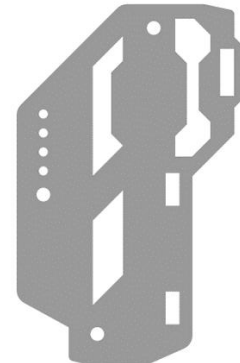
A04 2PCS



A05 1PCS



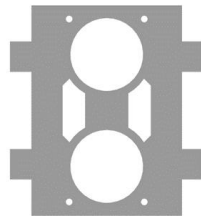
A06 6PCS



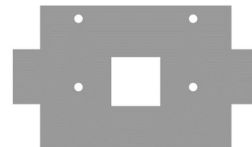
A07 1PCS



A08 1PCS



A09 1PCS



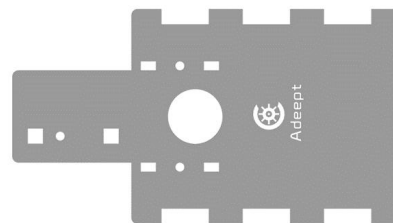
A10 1PCS



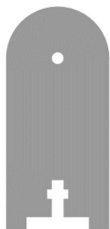
A11 2PCS



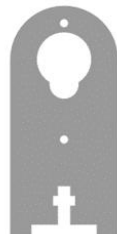
A12 4PCS



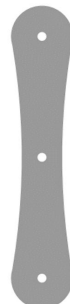
A13 1PCS



A14 1PCS



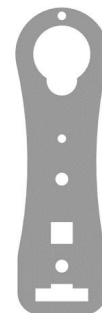
A15 1PCS



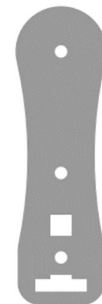
A16 1PCS



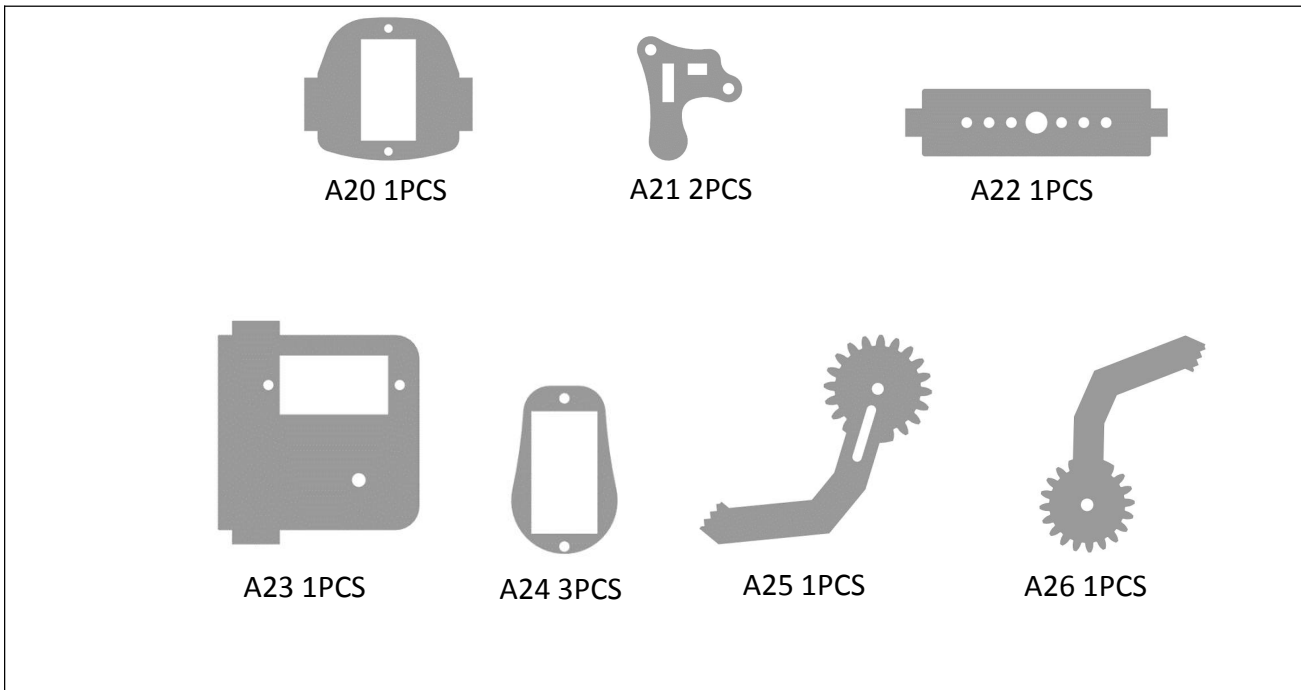
A17 1PCS



A18 1PCS





A19 1PCS







The acrylic structural parts are covered with a layer of protective film. You need to remove it first.




Some holes in the acrylic structural parts have residues, so you need to clean them before using it.





5. Cables

Picture	Description	Quantity
	Raspberry Pi Camera Cable for Raspberry Pi 3B/3B+/4B Usually a black cable	1
	Raspberry Pi Camera Cable for Raspberry Pi 5	1

	5Pin Cable for Line Tracking Module	1
	4Pin Cable for Ultrasound Module	1
	3Pin Cable for WS2812 RGB LED Module Already Packaged within WS2812 RGB LED Modules	4
	Servo Motor Extension Cable	1

6. Tools

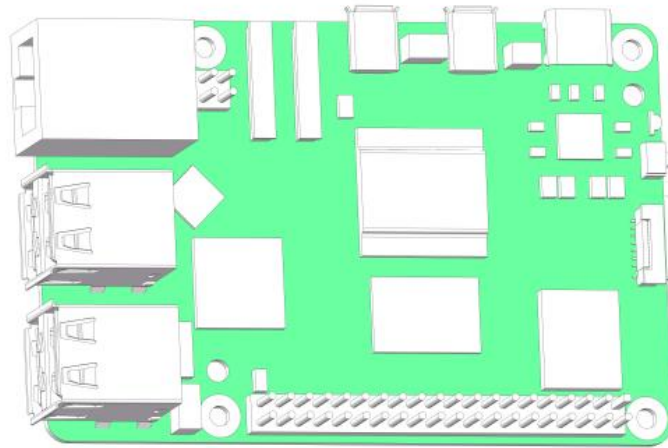
Picture	Name	Description	Quantity
	Wrench	Cross Socket Wrench	1
	Screwdriver	M4 Phillips Screwdriver	1
	Screwdriver	M2.0 Phillips Screwdriver	1

	Allen Wrench	L-style Allen Wrench-2.0mm	1
	Tweezer	Tweezer	1
Type-C USB Cable x1 			
Winding Pipe ×1 			

Required but NOT Contained Parts!!!

- Raspberry Pi (Recommended model: Raspberry 4B / 3B+ / 3A+ / 3B / 5) x1

Raspberry Pi 5 software pwm function is poor, it is recommended to use Raspberry Pi 4.



- Choose 18650 batteries that supports a maximum output current of at least 4A or choose 18650 batteries with "high rate discharge".
- 16GB and above SD card (TF Card).