

INSTRUKCJA UŻYTKOWNIKA – DRUKARKA 3D















Niniejsza instrukcja użytkownika dotyczy modelu drukarki 3D: A8















WSTĘP















1. Proszę się upewnić, że paczka nie jest uszkodzona.
2. Proszę sprawdzić, czy w paczce znajdują się wszystkie elementy.
3. W razie pytań proszę się kontaktować się z dostawcą.

LISTA ELEMENTÓW







Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-1	1700100001		Hot bed fixed aluminum plate	1	2-1	1700200004		Mainboard	1
1-2	1700200001		220mm*220mm*3mm Hot bed	1	2-2	1700300005		Left Z axis nut support	1
1-3	1101900001		Plastic nippers	1	2-3	1700300006		Right Z axis nut support	1
1-4			1.5M Power line	1	2-4	1300300001		Wind mouth	1
1-5	1101900008		5mm*160mm Screwdriver	1	2-5	1700300001		1.7M Belt	1
1-6	1700200002		Four parts below in this bag	1	2-6	1202200007		1.5M USB wire	1

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-6-1	1700200003		40*10 Fan	1	2-7	1700200005		5015 Air blower	1
1-6-2	1101200002		40*11 Cooling fin	1	2-8	1700300002		Y axis belt bearing support	1
1-6-3	1101700001		Fan cover	1	2-9	1700300003		Five parts below in this bag	1
1-6-4	1700100003		M3*45 Screw 2pcs M3 Spacer 8pcs	1	2-9-1	1300100009		Z axis Limit switch fixed plate	2
1-7	1700100004		Screw bag include below screws	1	2-9-2	1300100004		Y axis motor support	1
1-7-1	1700100005		M3*18 screw 50pcs	1	2-9-3	1300100007		Y axis Limit switch fixed plate	1
1-7-2	1700100006		M3 Nut 64pcs	1	2-9-4	1300100005		Y axis belt fixation clamp	2

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-7-3	1700100007		M8 Nut 16pcs M8 Spacer 12pcs	1	2-9-5	1300100010		Guide rod back up plate	6
1-7-4	1700100008		M4*8 screw 28pcs M4*14 screw 4pcs	1	2-10	1300100020		Side support plate	2
1-7-5	1700100009		M3*30 screw 14pcs	1	2-11	1300100012		Filament support plate	2
1-7-6	1700100010		M3*12 screw 15pcs	1	2-12	1300100013		Filament support plate connecting plate	2
1-7-7	1700100011		M2*12 screw 2pcs wing nut 4pcs Spring 4pcs	1	2-13	1300100014		Screen baffle plate	1
1-7-8	1700100012		M3*20 screw 4pcs M2.3*10screw 2pcs M3*25 screw 2pcs	1	2-14	1300100008		Z axis motor support Plate	4
1-8	1700200006		Three parts below in this bag	1	2-15	1700200007		8GB TF card and card reader	1

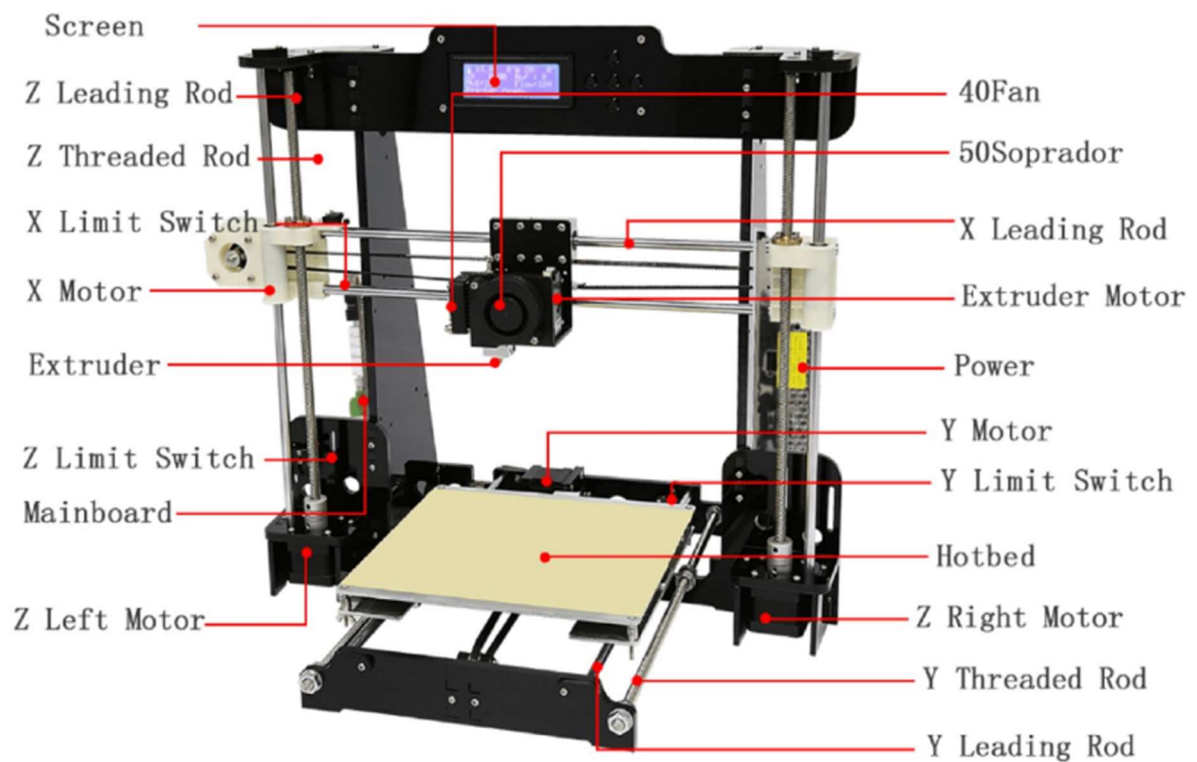
Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-8-1	1202100006		Wire 65CM	1	3-1	1300100017		Bottom support plate	1
1-8-2	1700200013 1700200014 1700200014		Z Limit switch A 20CM X Limit switch B 50CM Y Limit switch C 50CM	3	3-2	1300100016		Top support plate	1
1-8-3	1300400003 1300400004		Pillar washer M3*7 4pcs Pillar washer M3*15 4pcs	8	3-3	1300100011		Back plate	1
1-9	1700100013		Three parts below in this bag	1	3-4	1300100015		Front plate	1
1-9-1	1101900010		3mm*130mm Screwdriver	1	3-5	1700300024		Support plate lock plate	2
1-9-2	1101900004 1101900006 1101900005 1101900007		Hex wrench M1.5 Hex wrench M2 Hex wrench M2.5 Hex wrench M3	4	3-6	1300100019		Z axis motor fixed plate	2
1-9-3	1101900002		Open spanner	1	3-7	1300100003		Y axis motor fixed plate	1

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-10	1300500005		Four parts below in this bag	1	3-8	1700100016		Extruder	1
1-10-1	1300500001		4.5M Winding pipe	1	3-9	1700200008		X axis motor	1
1-10-2	1300900001		Belting	10	3-10	1700200009		Y axis motor	1
1-10-3	1300400006		R clip	3	3-11	1700200010		Z axis motor	2
1-10-4	1300400005		Locating piece	2	3-12	1101300008		Linear bearing	7

Item	Material number	Picture	Name	QTY	Item	Material number	Picture	Name	QTY
1-11	1700200011		LCD 2004 screen	1	3-13	1700100014		Guide rod 436mm 2pcs Guide rod 380mm 4pcs	6
1-12	1202100031		X Motor line 40CM Y Motor line 40CM Left Z Motor line 40CM Right Z Motor line 90CM Extruder Motor line 90CM	5	3-14	1700100015		T type lead screw M8*345mm 2pcs Threaded rod M8*400mm 2pcs Threaded rod M8*150mm 1pcs	5
1-13	1700200027		Heat bed line 90CM	1	3-15	1200100002		Power Supply	1

Przed rozpoczęciem montażu proszę się upewnić czy w zestawie znajdują się wszystkie elementy.

NAZWY KOMPONENTÓW



1. Wyświetlacz
2. Prowadnica Z
3. Pręt gwintowany Z
4. Krańcówka osi X
5. Silnik X
6. Ekstruder
7. Krańcówka osi Z
8. Płyta główna
9. Lewy silnik osi Z
10. Wentylator
11. Dmuchawa
12. Prowadnica osi X
13. Silnik ekstrudera
14. Zasilacz
15. Silnik osi Y
16. Krańcówka osi Y
17. Stół roboczy
18. Prawy silnik osi Z
19. Pręt gwintowany osi Y
20. Prowadnica osi Y

MONTAŻ – KROK 1

Assembly Step 1

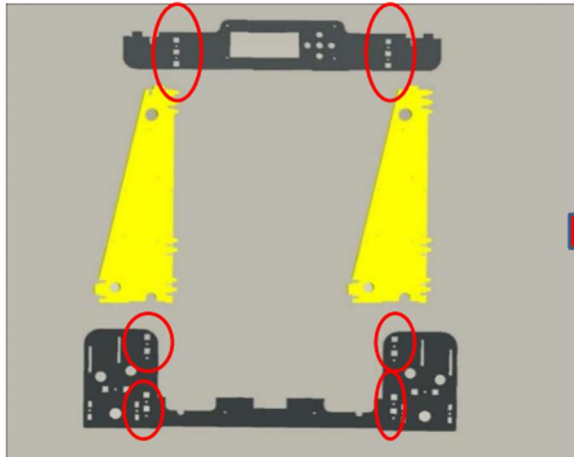
Please be aware the screw holes is in red circles

Name and Qty. of printer parts

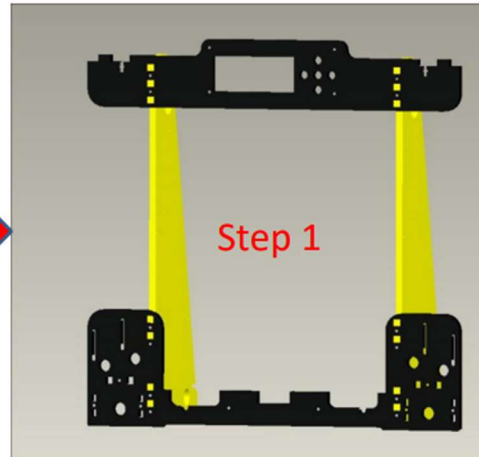
Item	Name of parts	QTY.
1	Bottom support plate	1
2	Top support plate	1
3	Side support plate	2
4	M3*18 Screw	12
5	M3 Nut	12



Before Assembly



After Assembly



Czerwone kółka to otwory na śruby

MONTAŻ – KROK 2

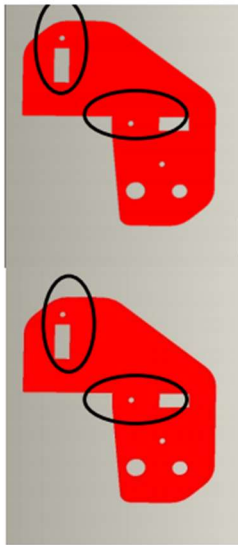
Assembly Step 2

Please be aware the screw holes is in black circles

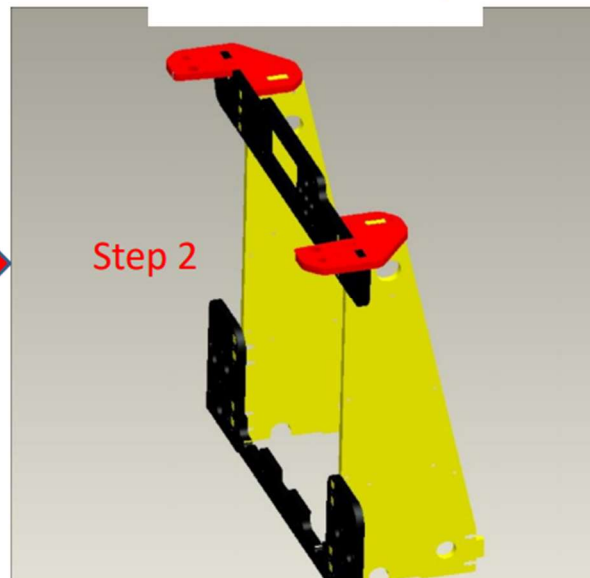


Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Step 1	1
2	Support plate lock plate	2
3	M3*18 Screw	4
4	M3 Nut	4

Before Assembly



After Assembly

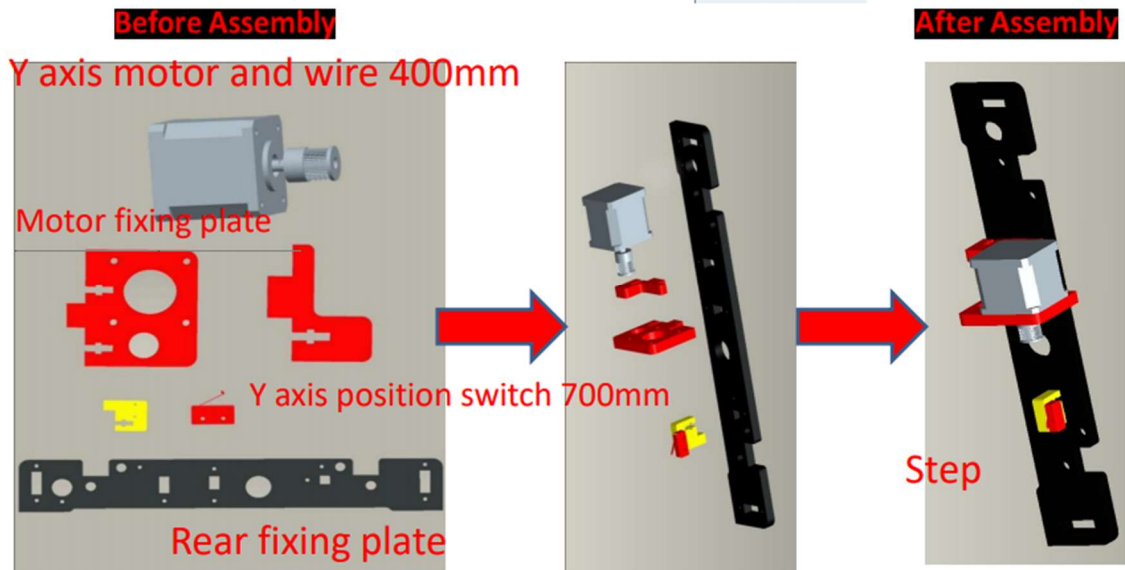


Czarne kółka to otwory na śruby

MONTAŻ – KROK 3

Assembly Step 3

Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Back plate	1
2	Y axis motor	1
3	Y axis motor support	1
4	Y axis motor fixed plate	1
5	Y axis Limit switch fixed plate	1
6	Y axis Limit switch C 70CM	1
7	M3*12 screw	4
8	M2*12 screw	2
9	M3*18 screw	4
10	M3 Nut	4



- Silnik osi Y i przewód 400 mm
- Płytkę montażową do silnika
- Przełącznik pozycji osi Y
- Tylna płytkę montażową

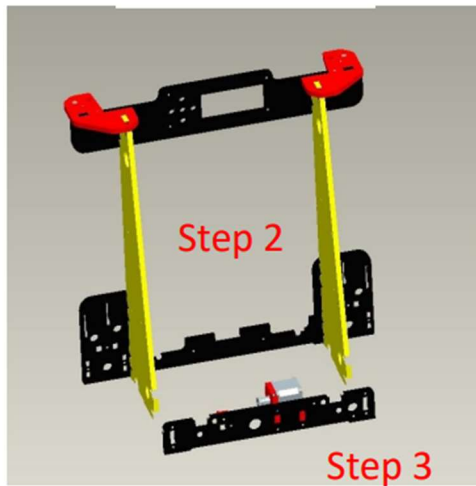
MONTAŻ – KROK 4

Assembly Step 4

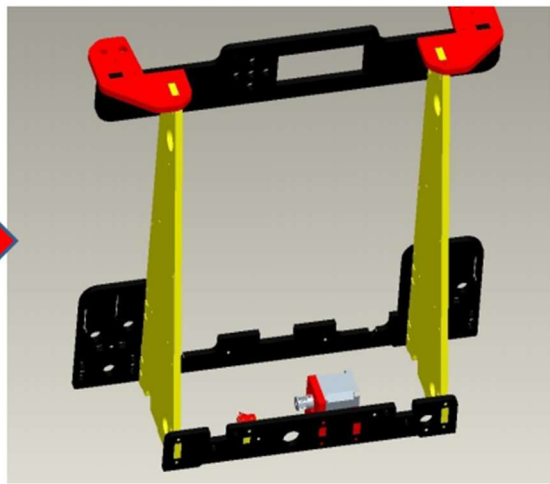
Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Step 2	1
2	Step 3	1
3	M3*18 screw	4
4	M3 Nut	4



Before Assembly



After Assembly



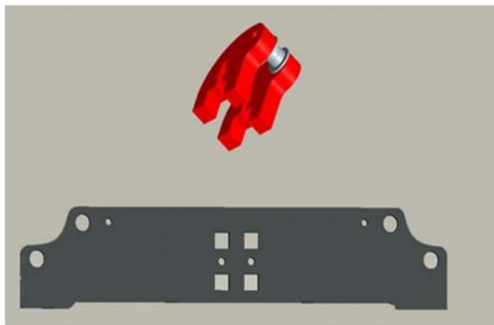
MONTAŽ – KROK 5

Assembly Step 5

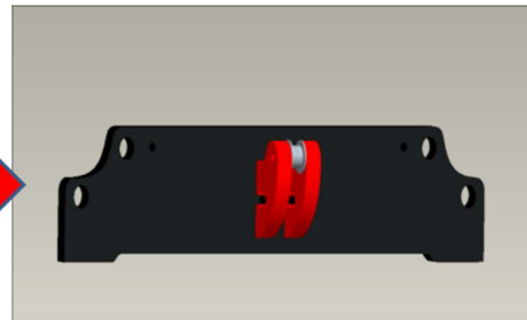
Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Y axis belt bearing support	1
2	Front plate	1
3	M3*18 screw	2
4	M3 Nut	2



Before Assembly

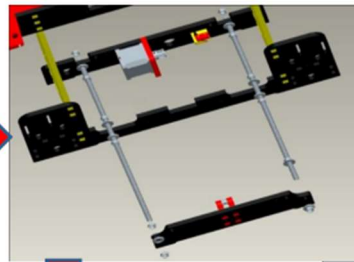
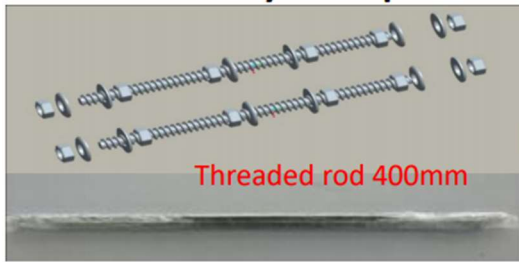


After Assembly



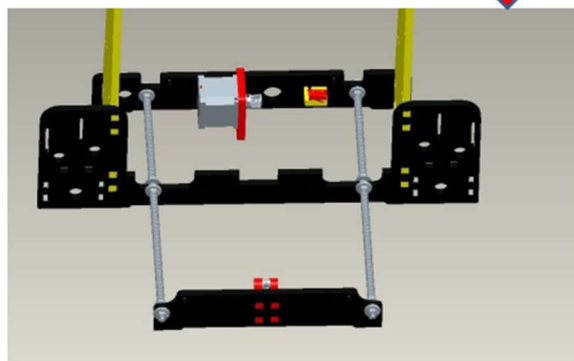
MONTAŻ – KROK 6

Assembly Step 6



Before Assembly

After Assembly



Name and Qty. of printer parts

Item	Name of parts	QTY.
1	Step 4	1
2	Step 5	1
3	Threaded rod 400mm	2
4	M8 Nut	12
5	M8 Spacer	12

Pręt gwintowany 400 mm

MONTAŻ – KROK 7

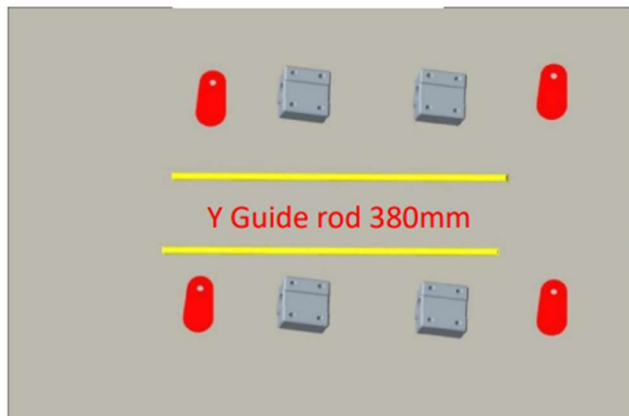
Assembly Step 7

Name and Qty. of printer parts

Item	Name of parts	QTY.
1	Step 6	1
2	Y axis Guide rod	2
3	Guide rod back up plate	4
4	Linear bearing	4
5	M3*18 Screw	4
6	M3 Nut	4

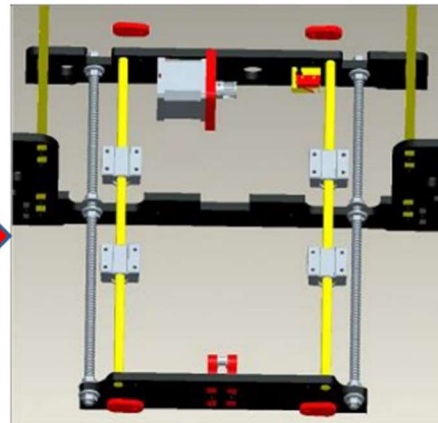


Before Assembly



Y Guide rod 380mm

After Assembly



Prowadnica osi Y 380 mm

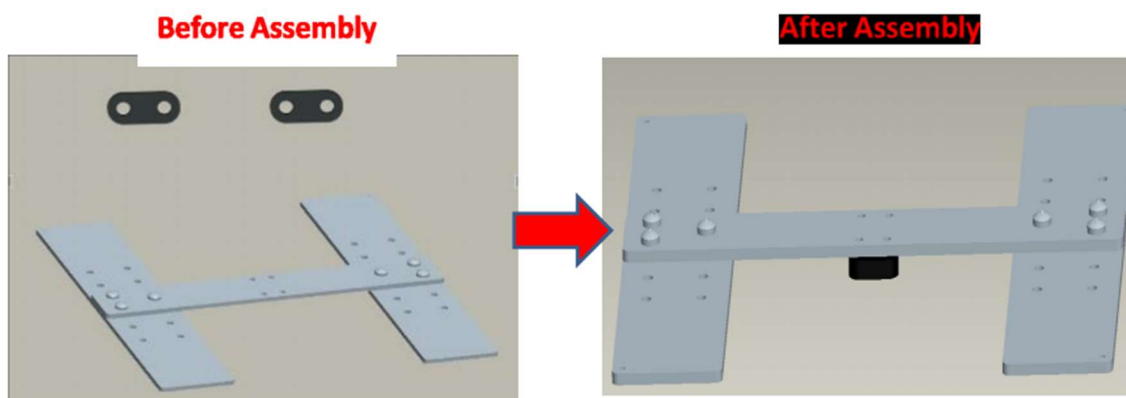
MONTAŻ – KROK 8

Assembly Step 8



Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Hot bed fixed aluminum plate	1
2	Y axis belt fixation clamp	2
3	M4*14 screw	4

Attention: Leave vacancy between belt fixation clamp and hot bed fixed plate for belt positioning.

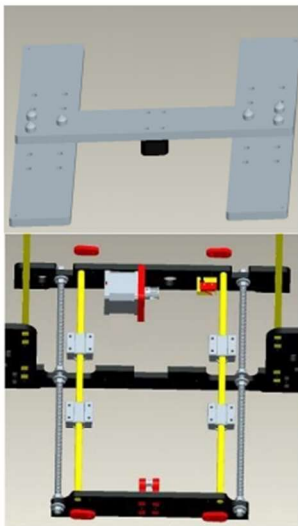


Uwaga: pozostaw wolne miejsce pomiędzy mocowaniem pasa i płytą montażową stołu roboczego dla pozycjonowania pasa

MONTAŻ – KROK 9

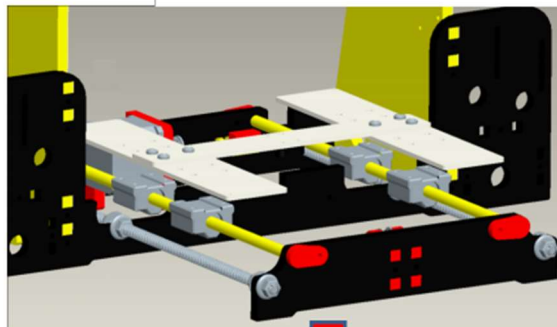
Assembly Step 9

Before Assembly

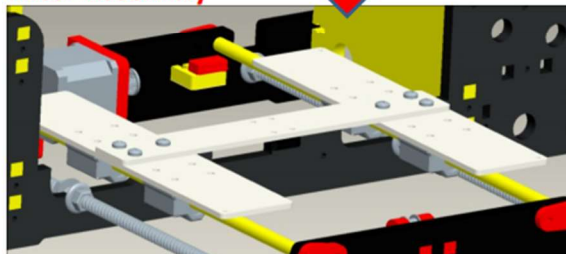


Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 7	1
2	Step 8	1
3	M4*8 Screw	16



After Assembly



Attention: Please diagonally tighten the screws when all are in there place

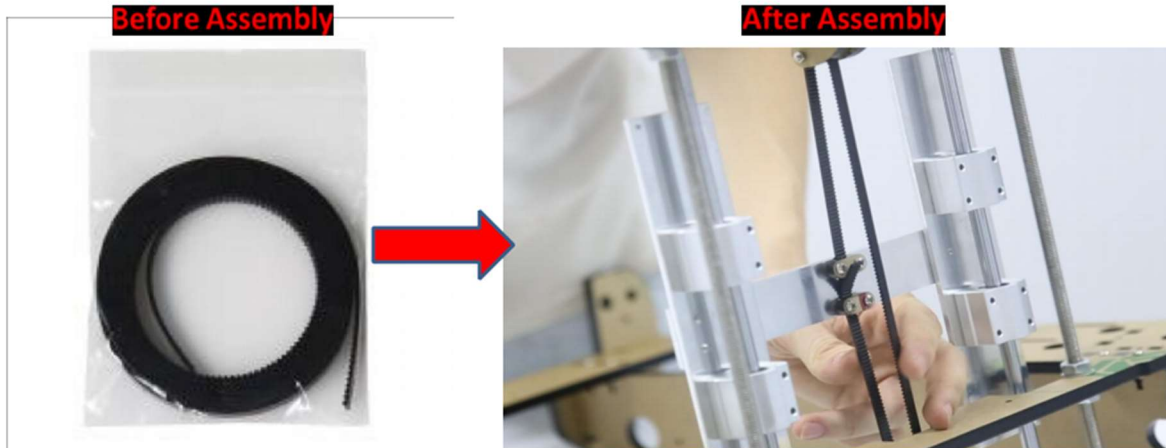
UWAGA: śruby należy dokręcić po przekątnej

MONTAŻ – KROK 10

Assembly Step 10

Name and Qty. of printer parts

Item	Name of parts	QTY.
1	Belt	1



Attention: Belt is for X&Y axis transmitting .Cut the length you need to each transmission shaft. The belt is 1.5m in total and 10-20 cm left after installation.

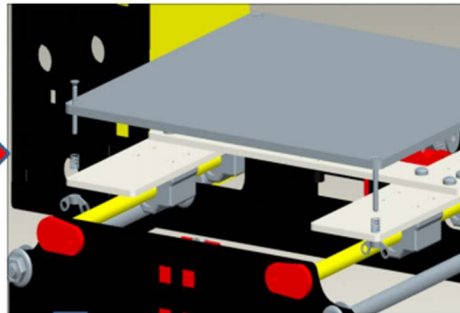
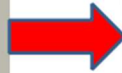
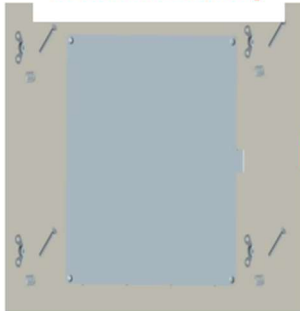
UWAGA: pas jest przeznaczony dla osi XY. Należy dociąć odpowiednią długość pasa. Całkowita jego długość wynosi 1,5m, po odcięciu i zamontowaniu powinno zostać 10-20 cm.

MONTAŻ – KROK 11

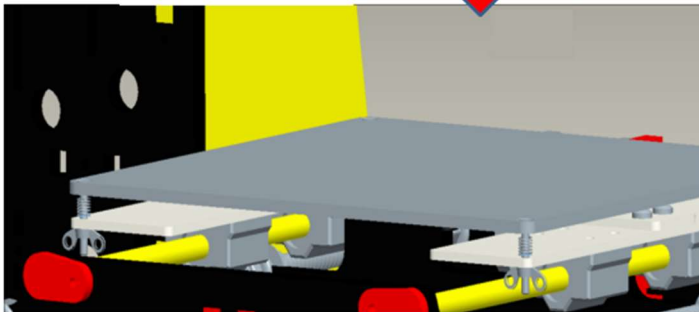
Assembly Step 11

wing nuts will keep the height of hot bed level as well as firming the hotbed.

Before Assembly



After Assembly



Name and Qty. of printer parts

Item	Name of parts	QTY.
1	Step 9	1
2	Hot bed	1
3	M3*30 Screw	4
4	Spring	4
5	M3 wing nut	4

screws should be in the bottom, and

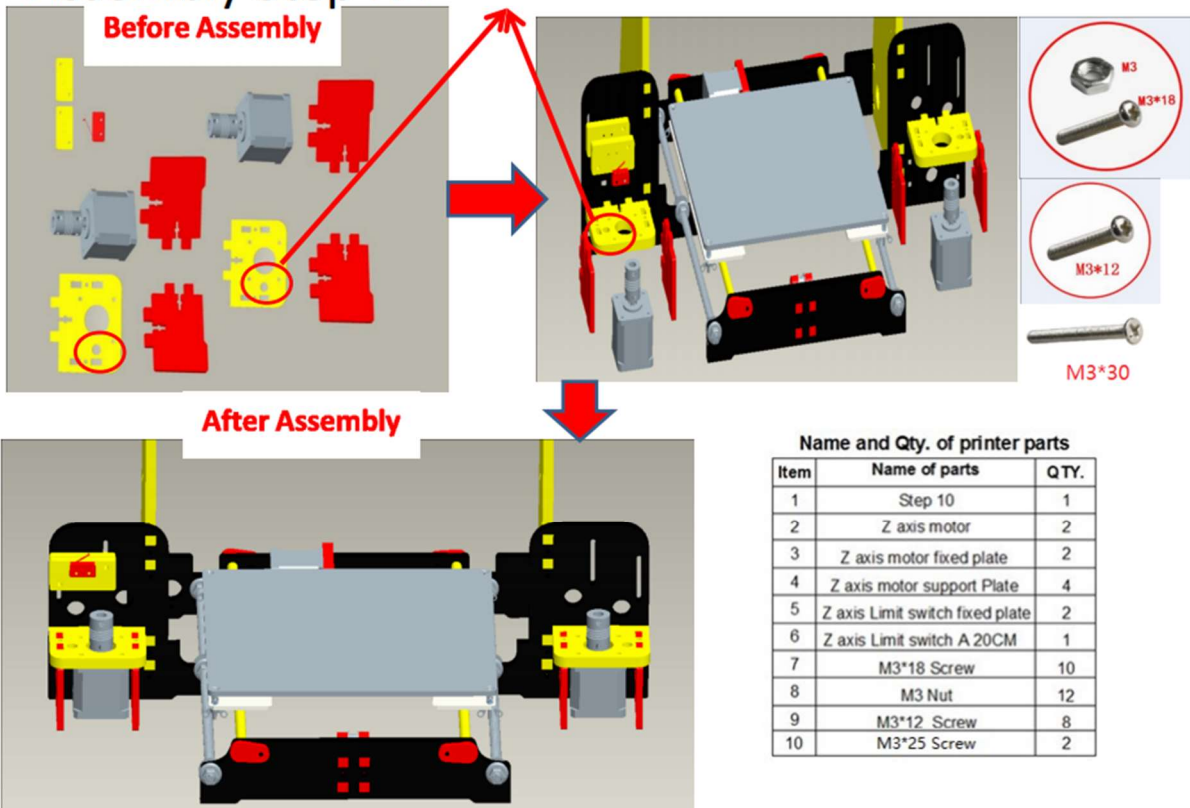
Nakrętki motylkowe służą do poziomowania stołu roboczego oraz do jego umocnienia

UWAGA: śruby od stołu roboczego powinny znajdować się na spodzie

MONTAŻ – KROK 12

Assembly Step 12

Attention: This hole is for Z axis guide rod positioning



UWAGA: ten otwór jest przeznaczony dla prowadnicy osi Z

MONTAŽ – KROK 13

Assembly Step 13

Name and Qty. of printer parts

Item	Name of parts	QTY.
1	Step 11	1
2	Step 12	1
3	Right Z axis nut support	1
4	Guide rod back up plate	2
5	Z axis Guide rod 380mm	2
6	M3*18 screw	2
7	M3 Nut	2
8	M2.3*10 Screw	2

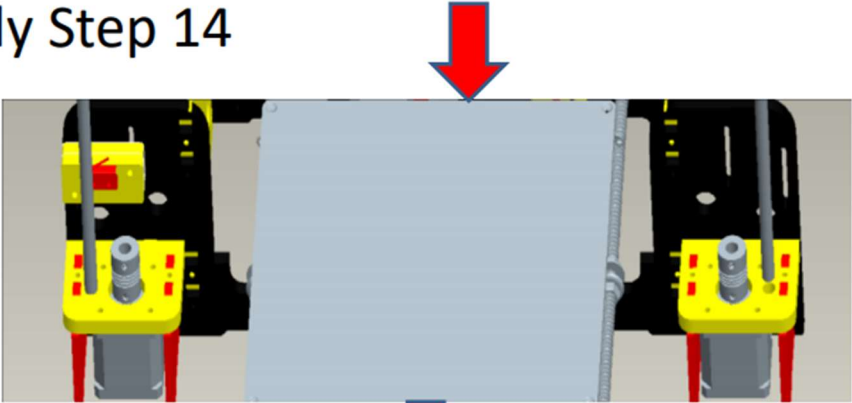
Before Assembly

After installation

Z axis Guide rod:380mm

MONTAŽ – KROK 14

Assembly Step 14



After Assembly

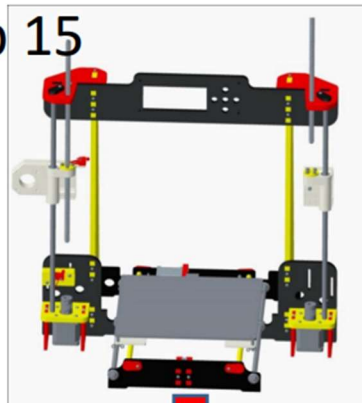
MONTAŻ – KROK 15

Assembly Step 15

Before Assembly



T lead screw 345mm



Name and Qty. of printer parts		
Item	Name of parts	QTY.
1	Step 13	1
2	T type lead screw 345mm	2

Attention: loose the jackscrew of elastic coupling to place T lead screw **to the bottom**, then tighten the jackscrew.

After Assembly

UWAGA: poluzuj śrubę elastycznego mechanizmu, aby umieścić pręt gwintowany T na dole, następnie dokręć śrubę

MONTAŻ – KORK 16

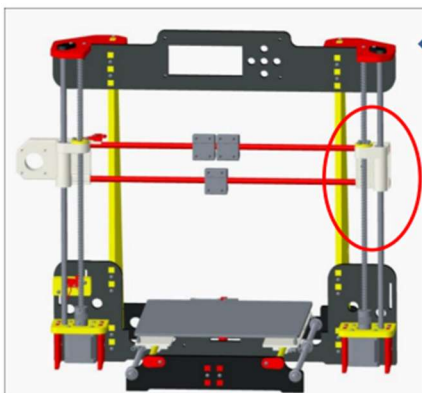
Assembly Step 16

Attention: Please keep A&B at the same level during X rods installation. Knock the guide rods with a hammer slightly if it's hard to place.

X axis Guide rod 436mm



Before Assembly



After installation
tighten the top
wire at the back



Name and Qty. of printer parts

Item	Name of parts	QTY.
1	Step 14	1
2	X axis Guide rod	2
3	Linear bearing	3

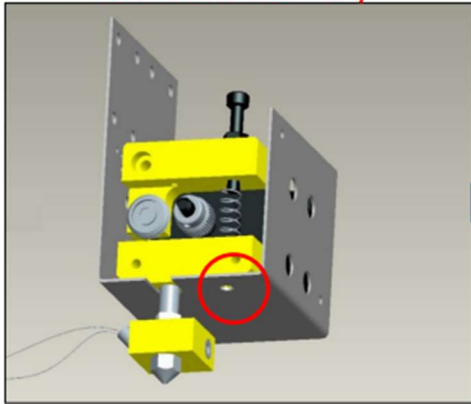
UWAGA: podczas montażu prętów X, staraj się utrzymać A i B na tym samym poziomie. Jeżeli pręty ciężko wchodzi, użyj młotka z nieznaczną siłą.

Po instalacji dokręć łączenie góry z tyłu.

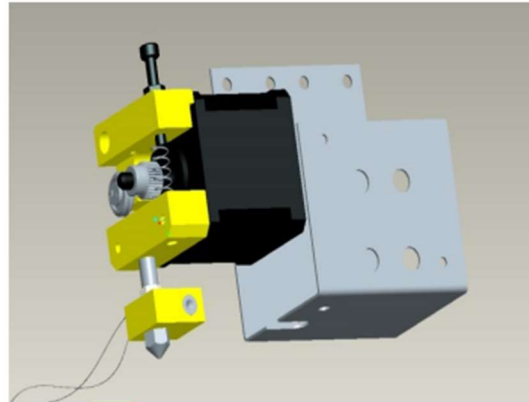
MONTAŻ - KROK 17

Assembly Step 17

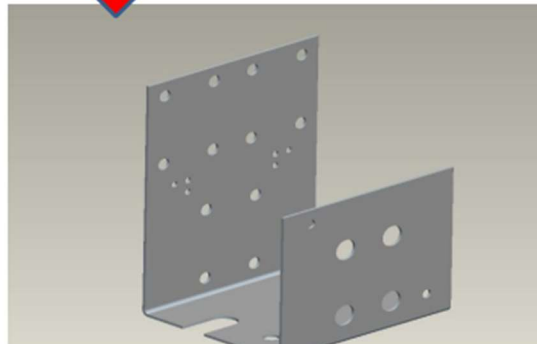
Before disassembly



After disassembly



After disassembly



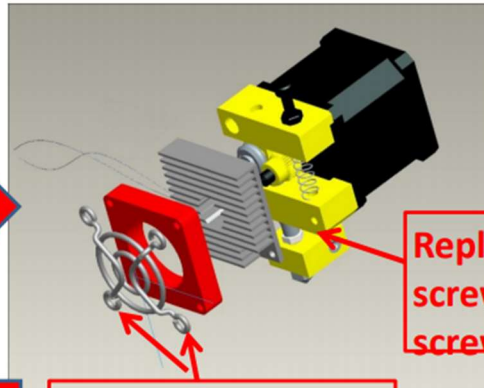
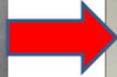
Loose M4*6 screws first,
then separate extruder
from L black aluminum
parts, remember to
keep the screws.

Najpierw poluzuj śrubę M4*6, później oddziel ekstruder od aluminiowego mocowania L, pamiętaj o zostawieniu śrub.

MONTAŻ – KROK 18

Assembly Step 18

Before Assembly

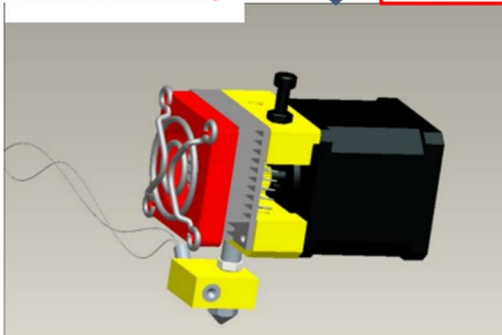


Replace M3*20 screws with M3*45 screws

After Assembly



M3*45 screw holes



Name of QTY. of printer part

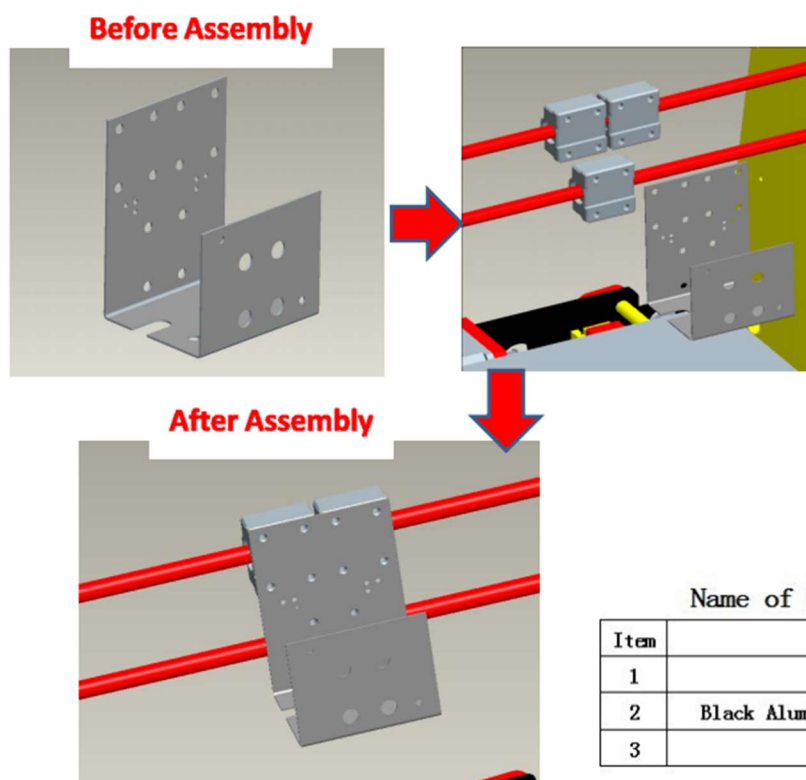
Item	Name of parts	QTY.
1	Extruder taken from Step 16	1
2	40*10 Fan	1
3	40*11 Cooling fin	1
4	Fan cover	1
5	M3*45 Screw	2
6	M3 Spacer	6-8

Zamień śruby M3*20 na M3*25

Otwory montażowe M3*45

MONTAŽ – KROK 19

Assembly Step 19



MONTAŻ – KROK 20

Assembly Step 20

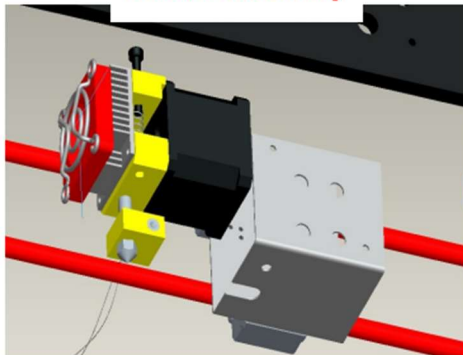
Attention: Install M4*6 screw. Tighten M6 Screw on the throat with spanner till extruder is not loose.



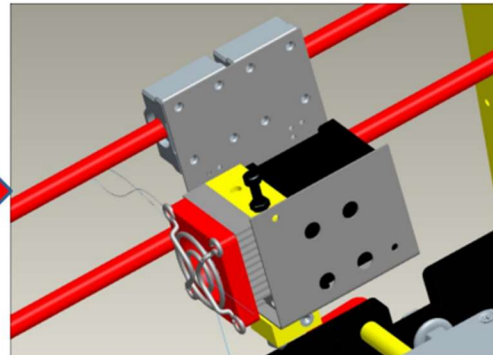
Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 17	1
2	Step 18	1
3	M4*16 We taken from Step 16	1

Before Assembly



After Assembly



UWAGA: zainstaluj śruby M4*6. Dokręcaj śrubę M6 dopóki ekstruder nie będzie luźny

MONTAŽ – KROK 21

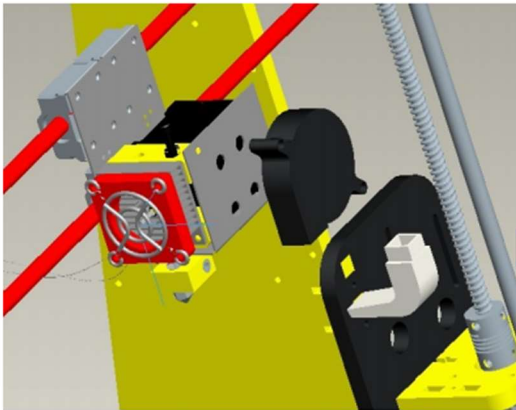
Assembly Step 21



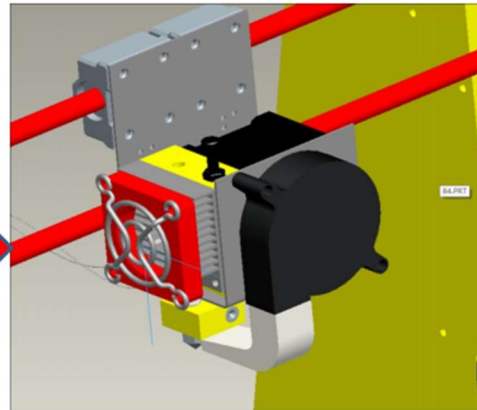
Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 19	1
2	5015 Air blower	1
3	Wind mouth	1
4	M3*18 screw	2

Before Assembly



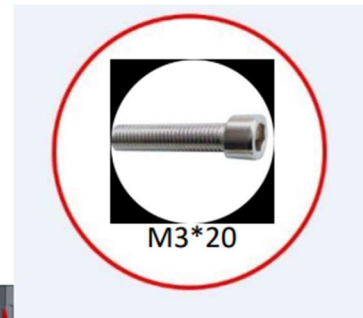
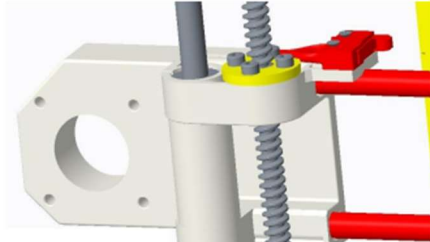
After Assembly



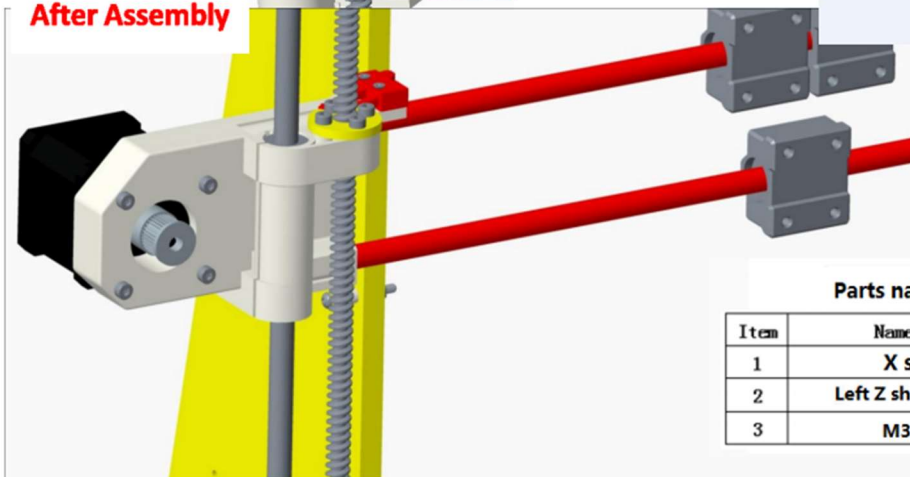
MONTAŽ – KROK 22

Assembly Step 22

Before Assembly



After Assembly



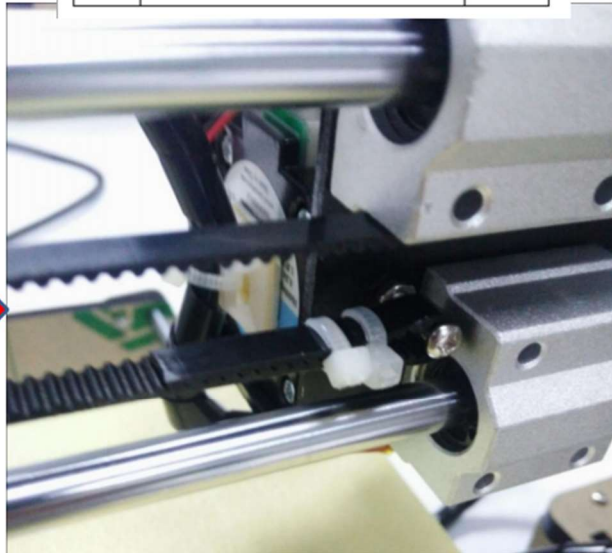
Parts name and quantity

Item	Name of parts	QTY.
1	X shaft motor	1
2	Left Z shaft nut support	1
3	M3*20 screw	4

MONTAŻ – KROK 23

Assembly Step 23

Name of QTY. of printer part		
Item	Name of parts	QTY.
1	Belt	1
2	M3*18 screw	2
3	M3 Nut 4	4

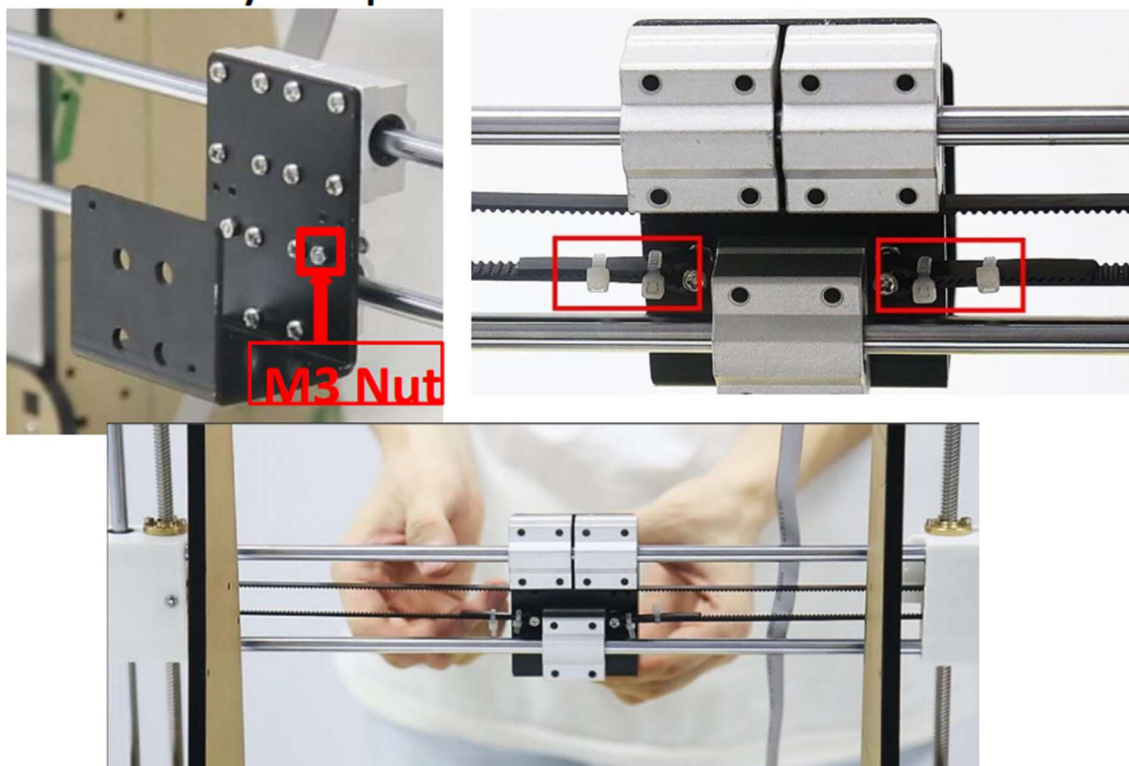


Attention: Belt is for X,Y axis transmitting . The length of belt is 1.5m in total. Normally there'll be 10-20cm left after installation.

UWAGA: pas jest dla osi X, Y. Całkowita długość pasa wynosi 1,5 m. Po instalacji powinno zostać ok. 10-20 cm pasa.

MONTAŽ – KROK 24

Assembly Step 24



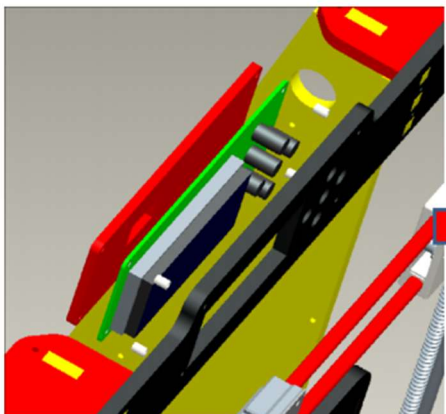
Assembly Step 25



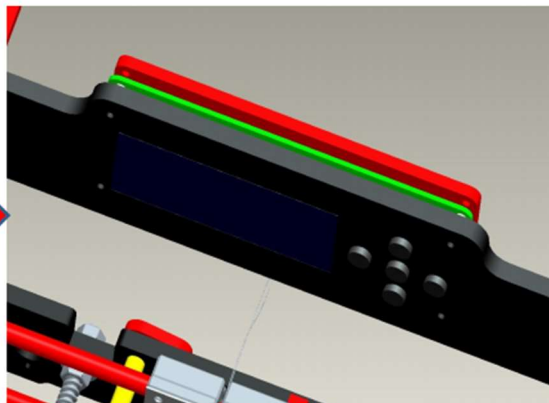
Name of QTY. of printer part

Item	Name of parts	QTY.
1	LCD 2004 screen	1
2	Pillar washer M3*7	4
3	Screen baffle plate	1
4	M3*30 screw	4
5	M3 Nut	8

Before Assembly



After Assembly



MONTAŻ – KROK 26

Assembly Step 26

Attention This is the wiring diagram of power supply. 1, 2, 3 separately represent the line of fire (brown), Zero line (blue), ground wire (yellow). 4, 5, 6 represent negative pole (black) (-); 7, 8, 9 represent the positive pole (red) (+). To avoid danger, please assure the installation is correct.



Schemat podłączenia zasilacza. 1, 2, 3 oddzielnie reprezentują linię ognia (brązowy), linia zero (niebieski), uziemienie (żółty). 4, 5, 6 reprezentuje biegun ujemny (czarny) (-); 7, 8, 9 reprezentuje biegun dodatni (czerwony) (+). Proszę upewnić się o poprawności połączenia.

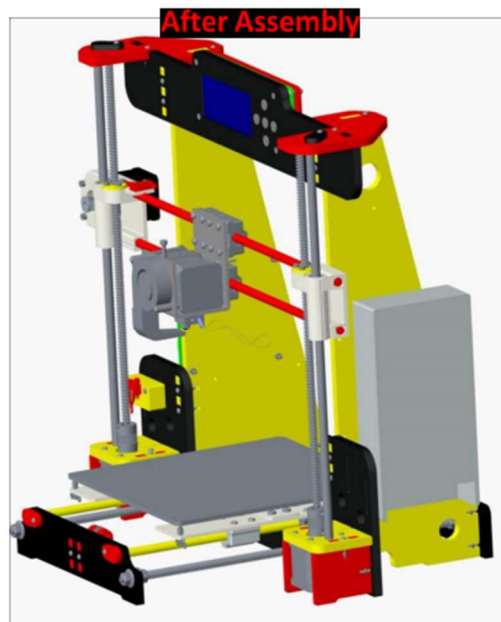
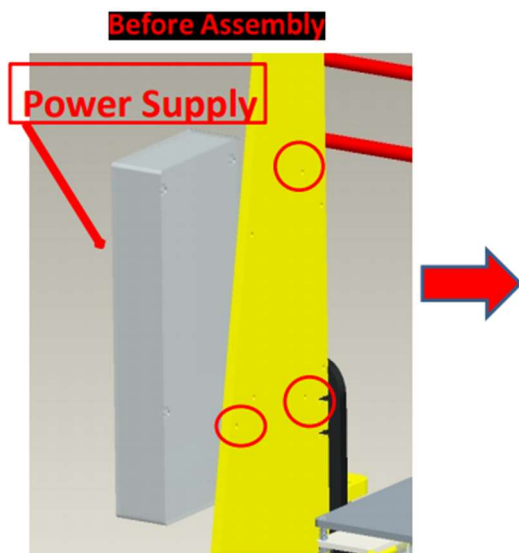
MONTAŻ – KROK 27

Assembly Step 27

Red circles stand for the power screw holes



Name of QTY. of printer part		
Item	Name of parts	QTY.
1	Step 22	1
2	Power Supply 12V	1
3	M3*12screw	3

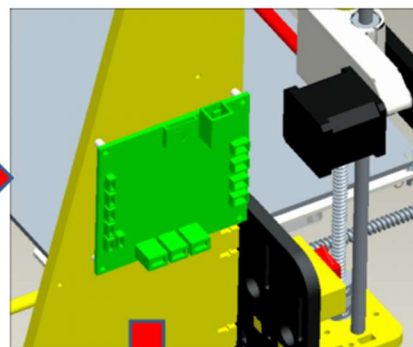
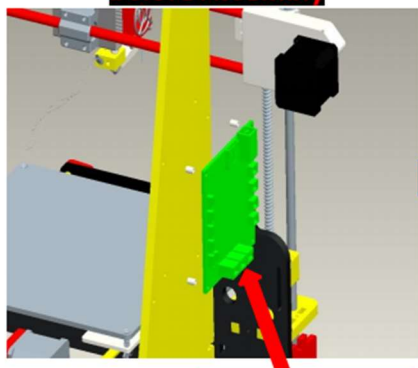


Czerwone koła oznaczają otwory montażowe zasilacza

MONTAŻ – KROK 28

Assembly Step 28

Before Assembly

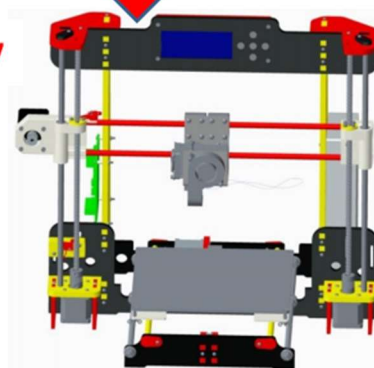


Mainboard

After Assembly

Name of QTY. of printer part

Item	Name of parts	QTY.
1	Step 23	1
2	Mainboard	1
3	M3*30 screw	4
4	M3 Nut	4
5	Pillar washer M3*15	4



Płyta główna

Assembly Step 29

Attention: Please use the corresponding wire , especially motor wire & limited switch wire.

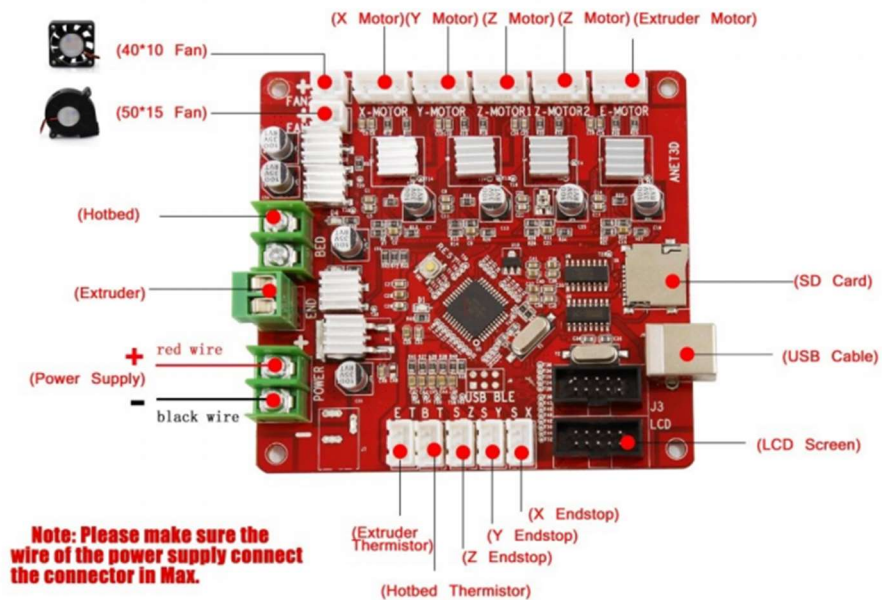
NO.	Option	Length (mm)
1	Power supply wire	700mm
2	X motor wire	400mm
3	Y motor wire	400mm
4	Left Z motor wire	400mm
5	Right Z motor wire	900mm
6	X limited switch wire	550mm
7	Y limited switch wire	700mm
8	Z limited switch wire	200mm
9	Extruder motor wire	900mm
10	4010 Fan wire	1100mm
11	5015 Blower wire	1100mm
12	Heating pipe wire	1000mm
13	Extruder thermistor wire	1000mm
14	Hotbed wire	900mm
15	X Belt	1500mm
16	Y Belt	
17	Screen wire	500mm

UWAGA: należy użyć odpowiedniego przewodu, zwłaszcza silnika i przetwornika

MONTAŻ – KROK 30

Assembly Step 30

Attention: Please connect the electronics wire to each components correspondingly.

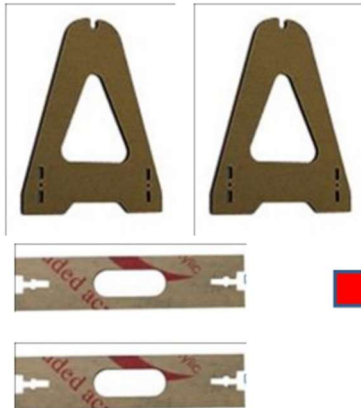


UWAGA: należy poprawnie podłączyć przewody do płyty głównej, zgodnie ze schematem.

Należy się upewnić, że zasilanie zostało podłączone do odpowiedniego złącza.

MONTAŽ – KROK 31

Assembly Step 31



Name of QTY. of printer part		
Item	Name of parts	QTY.
1	Filament support plate	2
2	Filament support plate connecting plate	2
3	Threaded rod 150mm	1
4	M8 screw	4
5	M3x18 screw	4
6	M3 Nut	4

MONTAŽ – KROK 32

Assembly Step 32 Installation Picture 1

