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HYDRAULIC EXCAVATOR

Self-Provided Tools and Use Skills

Safety Warning:

- All users including supervising adults should read and fully understand the manual before assembling.
- Use tools, including knives, when assembling the model. Take extra care to avoid personal injury.
- Check before and after cutting.
- Check where the object will be cut. Do not allow the blade to cut any parts or packaging material that hold the model.
- The remaining parts should be disposed of immediately.
- Use the cutting tool to remove the plastic parts of the opening part to ensure that there is no sharp or jagged edges.
- Use the metal parts in the self-carrying because these parts have sharp edges or sharp points.

Caution:

The screws should be tightened properly. If the screws are not tightened enough, the model may not work properly. It may wear out faster or even fall apart.

Caution:

Please read through the list below before starting and follow them safely assembly and usage.
Please cut off the required parts according the opening procedure. Do not wear children during assembling if you cut it off in advance.
Please cut off edges of the parts clearly when cutting of the parts to avoid gaps during assembly.

The screws should be tightened properly. If the screws are not tightened enough, the model may not work properly. It may wear out faster or even fall apart.

Parts List:

A

B

C

D

E

F

G Excavator

Warning: Some parts have sharp edges and sharp corners.

Assemble crawler wheel

1

2

3

4

5

6

Assemble control cabin

1

2

3

4

5

6

7

Assemble control panel

1

2

3

4

5

6

7

8

9

10

11

12

5

6 Repeat Step 3 and Step 4 for the other two groups!

7

8

9

10

11

12

13

14

15

16

17

18

19

Assemble control panel and vehicle bottom

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

13

14

15

16

17

18

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13

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15

16

17

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19

Instructions of oil pocket

- 1 Press the hydraulic oil seal (1) and do not overfill.
- 2 Fill the oil. Hold the separator of the pocket. Check the oil level after 24 hours.

Do not reuse hydraulic oil.

Assemble C1-C3 Hydraulic cylinder

Assemble C1 Hydraulic cylinder

- 1
- 2
- 3

Assemble C2 Hydraulic cylinder

- 1
- 2
- 3

Assemble C3 Hydraulic cylinder

- 1
- 2
- 3

Assemble D1-D3 Hydraulic cylinder

Assemble D1 Hydraulic cylinder

- 1
- 2
- 3

Assemble D2 Hydraulic cylinder

- 1
- 2
- 3

Assemble D3 Hydraulic cylinder

- 1
- 2
- 3

Cutting hose

1 Cutting

2 Marking

3 Measure and mark the hoses according to the following dimensions, cut them out and mark the surface.

No.1 Hose	300±20CM	1
No.2 Hose	38CM	2
No.3 Hose	38CM	3

Hydraulic cylinder filling instructions

- 1 Fill the glass oil pot with water.
- 2 Pull the piston to the bottom.
- 3 Repeat step 2 & 3 until the hydraulic cylinder with water.

1 Pull the hose to the bottom.

2 Pull the piston to the bottom.

3 Repeat step 2 & 3 until the hydraulic cylinder with water.

4 Repeat step 2 & 3 until the hydraulic cylinder with water.

Tips: assemble hose and hydraulic cylinder.

Assemble hydraulic cylinder connection

Connect C1 and D1

- 1
- 2
- 3
- 4

Connect C2 and D2

- 1
- 2
- 3
- 4

Connect C3 and D3

- 1
- 2
- 3
- 4

Assemble control panel and hydraulic cylinder set

- 1
- 2

- 3
- 4

Install excavator working arm (please correspond to the purchased version).

- 1
- 2
- 3
- 4

- 5
- 6

- 7

- 8
- 9

- 10
- 11

- 12

Simple trouble shooting

If the hydraulic cylinder cannot work normally, it is suspected that the hydraulic cylinder with the oil of C1/C2/C3 is not filled with water.

Fault correcting

- 1 Remove D1, D2 and D3 hydraulic cylinders.

- 2 Remove C1, C2 and C3 hydraulic cylinders.
- 3 Unplug the hose and re-press the "assemble hydraulic cylinder connector" (P10-P21) again.

HYDRAULIC EXCAVATOR

WARNING: CHOKING HAZARD
SMALL PARTS NOT FOR CHILDREN UNDER 3 YEARS.
READ ALL OPERATING INSTRUCTIONS.
NEVER ALLOW CHILDREN TO PLAY WITH EQUIPMENT.
NEVER ALLOW CHILDREN TO CLIMB ON THE EQUIPMENT.

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WARNING: SAFETY HAZARD
BEFORE WORKING ON THE EXCAVATOR, MAKE SURE TO STOP THE EXCAVATOR AND REMOVE THE KEY.
KEYCODE: K331100