

SOLAR POWER

Thames & Kosmos



Instruction Book





SOLAR POWER | Parts List

No	PARTS NAMES	PCS
1	SQUARE FRAME - GRAY	3
2	SHORT FRAME - BLUE	2
3	DIGGING BUCKET	1
4	REVERSIBLE MOTOR/GENERATOR	1
5	EXTRA LONG AXLE	1
6	LONG AXLE	2
7	SHORT AXLE	2
8	MOTOR AXLE	1
9	WHEEL AND TIRE	2
10	LARGE GEAR - YELLOW	4
11	MEDIUM GEAR - BLUE	5
12	SMALL GEAR - RED	3
13	LARGE SPROCKET - GRAY	2
14	MEDIUM SPROCKET - GRAY	2
15	SMALL SPROCKET - GRAY	2
16	3-HOLE ROD - GRAY	8
17	5-HOLE ROD - GRAY	6
18	PART SEPARATOR TOOL	1
19	3-HOLE DUAL ROD - GRAY	3
20	LONG 7-HOLE DUAL ROD - YELLOW	3

No	PARTS NAMES	PCS
21	11-HOLE ROD - GRAY	3
22	CONCAVE BLOCK - GRAY	6
23	SPOKED ROUND BLOCK - GRAY	2
24	CURVED ELBOW ROD - GRAY	5
25	AXLE LOCK	2
26	SHAFT PIN	4
27	SHAFT PLUG	5
28	ANCHOR PIN	20
29	HINGE - GRAY	4
30	ROD CONNECTOR	3
31	DRIVE CHAIN UNIT - BLACK	53
32	TWO-TO-ONE CONVERTER - GRAY	2
33	90 DEGREE CONVERTER R - GRAY	8
34	90 DEGREE CONVERTER L - GRAY	1
35	WIRE CONNECTOR - RED	1
36	WIRE CONNECTOR - BLACK	1
37	ADJUSTABLE SOLAR PANEL	1
38	BATTERY HOLDER	1
39	BATTERY CHARGER	1
TOTAL		177



Axle locks are used to keep gears and axles from slipping.

It's easy to put axle locks onto axles without removing gears or axles.



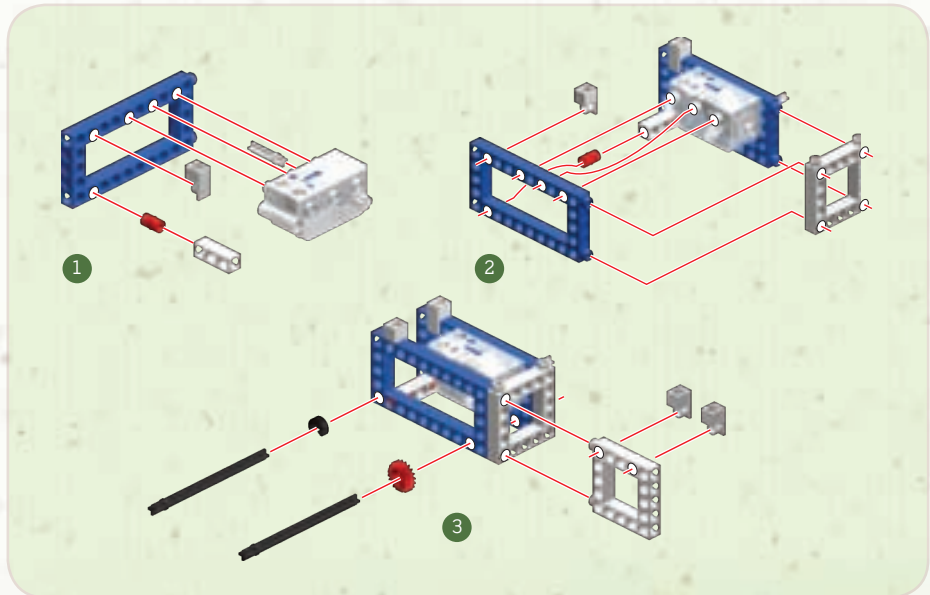


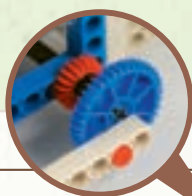
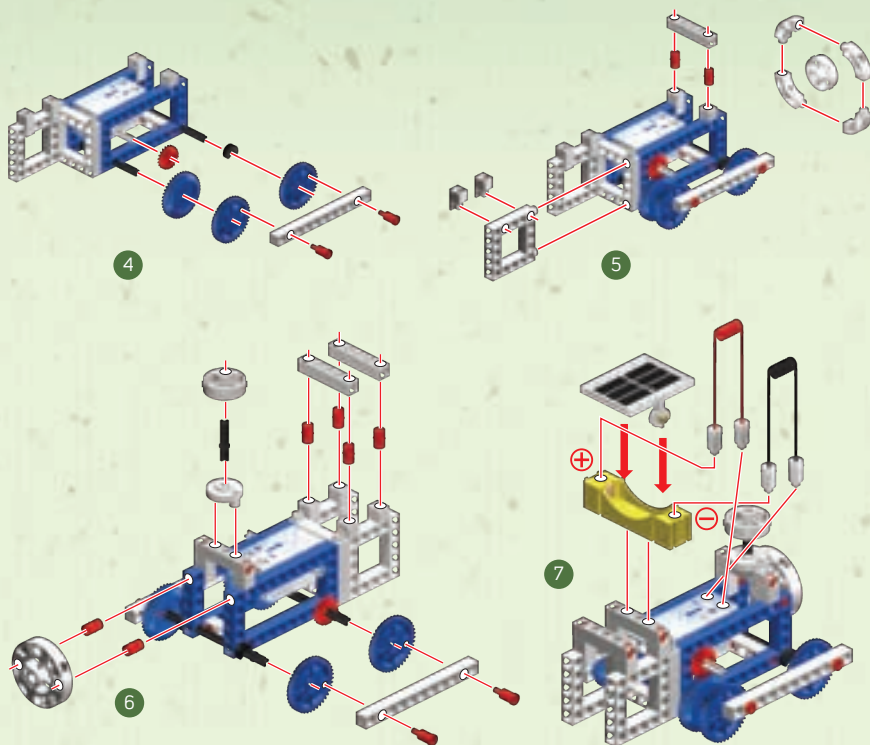
DID YOU KNOW...

The first steam locomotive started with the combination of the steam engine and rail vehicles in 1781. The steam locomotive powers its wheels with mechanical energy generated from steam produced by heating water with burning wood or coal. George Stevenson, an English engineer, created a steam locomotive called "Rocket" in 1829, which could move at a speed of 30 miles per hour (47 km per hour). The speed of man-made machines began to surpass that of horses.

The horizontal cranks fixed on the train wheels transmit power equally to each wheel. This is a feature unique to the locomotive.

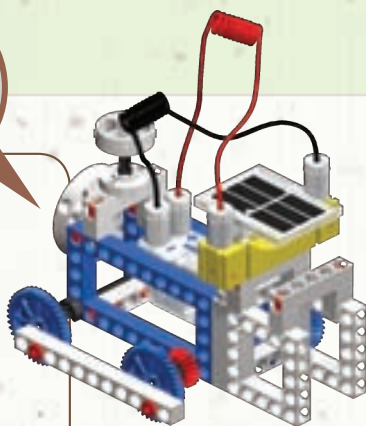
Parts needed



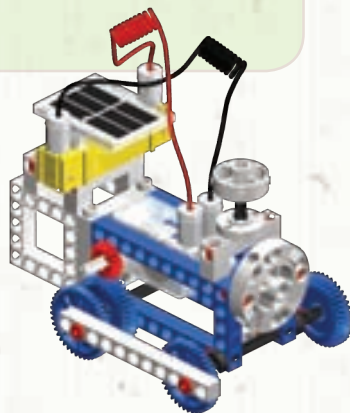


NOTE!

1. The long axle cannot stick out of the blue medium gear.
2. The gray rod should be kept parallel to the ground. If it is lopsided, please rotate the front blue gear to adjust it.



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Front
Completed