

# PARTS LIST

This is a comprehensive list of the parts needed to build the model exactly as it appears in the book.

PART NUMBER	COLOR	QUANTITY	NAME
10928	Dark bluish gray	2	Technic Gear 8 Tooth Reinforced
11211	Red	2	Brick 1 x 2 with Two Studs on One Side
11212	Red	2	Plate 3 x 3
11214	Dark bluish gray	5	Technic Axle Pin Long with Friction with 2L Pin
11458	Black	2	Plate 1 x 2 with Offset Peg Hole
11458	Red	2	Plate 1 x 2 with Offset Peg Hole
11477	Red	18	Slope Brick Curved 2 x 1
11477	White	7	Slope Brick Curved 2 x 1
11477	Light bluish gray	6	Slope Brick Curved 2 x 1
13547	Black	2	Slope Brick Curved 4 x 1 Inverted
13547	Red	2	Slope Brick Curved 4 x 1 Inverted
14720	Light bluish gray	2	Technic Beam 5 x 3 H-shaped
15068	Red	16	Slope Brick Curved 2 x 2 x 0.667
15068	White	5	Slope Brick Curved 2 x 2 x 0.667
15100	Black	11	Technic Pin with Friction with Perpendicular Pin Hole
15460	Dark bluish gray	2	Technic Steering Arm with 3 Ball Joints with 1L Arm Side Connection
15461	Black	2	Technic Connector 3 x 1 x 2 with Two Pins and Peg Hole
15462	Reddish brown	1	Technic Axle 5 with Stop
18651	Black	13	Technic Axle Pin Long with Friction with 2L Axle
18654	Light bluish gray	2	Technic Beam 1
18654	Dark bluish gray	5	Technic Beam 1
18674	Red	2	Plate 2 x 2 Round with 1 Center Stud
18677	Black	4	Plate 1 x 2 with Offset Peg Hole on Underside

PART NUMBER	COLOR	QUANTITY	NAME
18677	Light bluish gray	2	Plate 1 x 2 with Offset Peg Hole on Underside
18946	Red	2	Technic Gear 16 Tooth with Clutch on Both Sides
18947	Dark bluish gray	1	Technic Transmission Driving Ring 3L
18948	White	2	Technic Axle Joiner 3L with Ridges for Driving Ring
22885	Red	2	Brick 1 x 2 x 1.667 with Studs on One Side
2339	Red	8	Arch 1 x 5 x 4
23443	Light bluish gray	2	Bar Tube with Handle
2357	Red	2	Brick 2 x 2 Corner
2357	White	2	Brick 2 x 2 Corner
2412b	Black	12	Tile 1 x 2 Grille with Groove
2412b	Red	4	Tile 1 x 2 Grille with Groove
2412b	Light bluish gray	2	Tile 1 x 2 Grille with Groove
2420	Black	2	Plate 2 x 2 Corner
2420	Red	6	Plate 2 x 2 Corner
24201	Black	1	Slope Brick Curved 2 x 1 Inverted
24201	Red	48	Slope Brick Curved 2 x 1 Inverted
2429	Red	4	Hinge Plate 1 x 4 Base
24299	Red	1	Wing 2 x 2 Left
24299	Light bluish gray	1	Wing 2 x 2 Left
2430	Red	4	Hinge Plate 1 x 4 Top
24307	Red	1	Wing 2 x 2 Right
24307	Light bluish gray	1	Wing 2 x 2 Right
24309	Red	2	Slope Brick Curved 3 x 2
2431	Black	13	Tile 1 x 4 with Groove
2431	Red	14	Tile 1 x 4 with Groove
2431	White	4	Tile 1 x 4 with Groove
2431	Light bluish gray	2	Tile 1 x 4 with Groove
24316	Reddish brown	6	Technic Axle 3 with Stop
2431pc0	Black	1	Tile 1 x 4 with Train Controls Pattern

PART NUMBER	COLOR	QUANTITY	NAME
2436a	Black	2	Bracket 1 x 2 - 1 x 4 with Square Corners
2444	Red	2	Plate 2 x 2 with Hole and Split Underside Ribs
2445	Black	6	Plate 2 x 12
2445	Red	1	Plate 2 x 12
2445	Light bluish gray	1	Plate 2 x 12
2450	Red	2	Plate 3 x 3 without Corner
2555	Black	2	Tile 1 x 1 with Clip
2555	Red	4	Tile 1 x 1 with Clip
2654	Black	2	Dish 2 x 2
2654	Trans clear	2	Dish 2 x 2
26603	Black	2	Tile 2 x 3
2723	Light bluish gray	4	Technic Disc 3 x 3 with Axle Hole
2730	Black	2	Technic Brick 1 x 10 with Holes
2736	Light bluish gray	1	Technic Axle Towball
2739a	Black	4	Technic Steering Link 6L Type 1
2741	Black	1	Technic Steering Wheel Large
2780	Black	160	Technic Pin with Friction and Slots
27940	Dark bluish gray	4	Technic Axle 3L with Middle Perpendicular Pin Hole
2817	Light bluish gray	2	Plate 2 x 2 with Holes
2850	Light bluish gray	8	Technic Engine Cylinder Head
2851	Yellow	8	Technic Engine Piston Round
2852	Light bluish gray	8	Technic Engine Connecting Rod
2853	Yellow	2	Technic Engine Crankshaft
2854	Tan	3	Technic Engine Crankshaft Center
29119	Red	1	Slope Brick Curved 2 x 1 with Cutout Right
29120	Red	1	Slope Brick Curved 2 x 1 with Cutout Left
3001	Red	2	Brick 2 x 4
3003	Red	6	Brick 2 x 2
3004	Red	12	Brick 1 x 2

PART NUMBER	COLOR	QUANTITY	NAME
3004	White	2	Brick 1 x 2
3004	Trans red	2	Brick 1 x 2
3004	Light bluish gray	2	Brick 1 x 2
3005	Red	16	Brick 1 x 1
3005	White	4	Brick 1 x 1
3009	Red	4	Brick 1 x 6
3009	Light bluish gray	1	Brick 1 x 6
3010	Black	2	Brick 1 x 4
3010	Red	4	Brick 1 x 4
3010	White	2	Brick 1 x 4
3020	Black	1	Plate 2 x 4
3020	Red	12	Plate 2 x 4
3021	Black	3	Plate 2 x 3
3021	Red	14	Plate 2 x 3
3021	White	2	Plate 2 x 3
3021	Light bluish gray	2	Plate 2 x 3
3022	Black	2	Plate 2 x 2
3022	Red	8	Plate 2 x 2
3023	Black	21	Plate 1 x 2
3023	Red	34	Plate 1 x 2
3023	White	1	Plate 1 x 2
3023	Trans red	10	Plate 1 x 2
3023	Light bluish gray	19	Plate 1 x 2
3024	Black	3	Plate 1 x 1
3024	Red	34	Plate 1 x 1
3024	Light bluish gray	4	Plate 1 x 1
3029	Dark bluish gray	1	Plate 4 x 12
3030	Black	2	Plate 4 x 10
3035	Black	1	Plate 4 x 8

PART NUMBER	COLOR	QUANTITY	NAME
3040b	Red	2	Slope Brick 45 2 x 1
30414	Black	2	Brick 1 x 4 with Studs on Side
30414	White	6	Brick 1 x 4 with Studs on Side
3068b	Red	6	Tile 2 x 2 with Groove
3068b	White	2	Tile 2 x 2 with Groove
3069b	Black	16	Tile 1 x 2 with Groove
3069b	Red	12	Tile 1 x 2 with Groove
3069b	White	2	Tile 1 x 2 with Groove
3069b	Light bluish gray	6	Tile 1 x 2 with Groove
3070b	Black	2	Tile 1 x 1 with Groove
3070b	Red	6	Tile 1 x 1 with Groove
32002	Tan	18	Technic Pin 3/4
32002	Dark bluish gray	6	Technic Pin 3/4
32009	Black	3	Technic Beam 3 x 3.8 x 7 Lifterm Bent 45 Double
32013	Black	5	Technic Angle Connector #1
32013	Light bluish gray	2	Technic Angle Connector #1
32019	Rubber black	4	Tire 20/ 64 x 37 S
32020	Light bluish gray	2	Wheel Rim 18 x 37 with 6 Peg Holes and Long Axle Bush
32028	Black	1	Plate 1 x 2 with Door Rail
32028	Red	2	Plate 1 x 2 with Door Rail
32028	Light bluish gray	6	Plate 1 x 2 with Door Rail
32034	Black	2	Technic Angle Connector #2 (180 degree)
32034	Light bluish gray	2	Technic Angle Connector #2 (180 degree)
32039	Light bluish gray	4	Technic Connector (Axle/Bush)
32054	Black	2	Technic Pin Long with Stop Bush
32054	Red	5	Technic Pin Long with Stop Bush
32054	Light bluish gray	2	Technic Pin Long with Stop Bush
32056	Light bluish gray	8	Technic Beam 3 x 3 x 0.5 Lifterm Bent 90
32062	Red	12	Technic Axle 2 Notched

PART NUMBER	COLOR	QUANTITY	NAME
32065	Black	10	Technic Beam 7 x 0.5
32073	Light bluish gray	12	Technic Axle 5
32123a	Light bluish gray	16	Technic Bush 1/2 Smooth with Axle Hole Reduced
32125	Light bluish gray	1	Technic Rotor 3 Blade with Six Studs
32140	Black	15	Technic Beam 2 x 4 Liftarm Bent 90
32140	Blue	4	Technic Beam 2 x 4 Liftarm Bent 90
32140	Light bluish gray	4	Technic Beam 2 x 4 Liftarm Bent 90
32184	Black	14	Technic Cross Block 1 x 3 (Axle/Pin/Axle)
32209	Dark bluish gray	9	Technic Axle 5.5 with Stop
32250	Black	4	Technic Beam 3 x 5 x 0.5 Liftarm Bent 90 Quarter Ellipse
32269	Tan	1	Technic Gear 20 Tooth Double Bevel
32270	Black	2	Technic Gear 12 Tooth Double Bevel
32271	Black	2	Technic Beam 3 x 7 Liftarm Bent 53.13
32278	Black	10	Technic Beam 15
32291	Dark bluish gray	4	Technic Cross Block 2 x 2 (Axle/Twin Pin)
32293	Black	2	Technic Steering Link 9L
32316	Black	1	Technic Beam 5
32316	Blue	4	Technic Beam 5
32316	Light bluish gray	6	Technic Beam 5
32333	Light bluish gray	2	Technic Brick 5 x 3 x 1 with Eight Peg Holes and Two Studs
32348	Blue	4	Technic Beam 4 x 4 Liftarm Bent 53.13
32348	Dark bluish gray	2	Technic Beam 4 x 4 Liftarm Bent 53.13
32474	Black	1	Technic Ball Joint with Axle Hole Blind
32494	Light bluish gray	1	Technic Wheel Spindle Axle Driver
32523	Black	4	Technic Beam 3
32523	Light bluish gray	1	Technic Beam 3
32524	Black	13	Technic Beam 7
32524	Light bluish gray	2	Technic Beam 7
32525	Black	2	Technic Beam 11

PART NUMBER	COLOR	QUANTITY	NAME
32526	Black	24	Technic Beam 3 x 5 Bent 90
33909	Red	4	Tile 2 x 2 with Studs on Edge
33909	White	2	Tile 2 x 2 with Studs on Edge
33909	Light bluish gray	2	Tile 2 x 2 with Studs on Edge
3460	Black	1	Plate 1 x 8
3460	Red	4	Plate 1 x 8
3460	Light bluish gray	3	Plate 1 x 8
3622	Red	2	Brick 1 x 3
3623	Black	4	Plate 1 x 3
3623	Red	20	Plate 1 x 3
3623	White	1	Plate 1 x 3
3648b	Dark bluish gray	5	Technic Gear 24 Tooth with Single Axle Hole
3660	Black	2	Slope Brick 45 2 x 2 Inverted
3665	Red	4	Slope Brick 45 2 x 1 Inverted
3665	White	2	Slope Brick 45 2 x 1 Inverted
3666	Black	8	Plate 1 x 6
3666	Red	3	Plate 1 x 6
3666	Light bluish gray	2	Plate 1 x 6
3673	Light bluish gray	4	Technic Pin
3700	Black	2	Technic Brick 1 x 2 with Hole
3700	Dark bluish gray	2	Technic Brick 1 x 2 with Hole
3701	Black	2	Technic Brick 1 x 4 with Holes
3705	Black	5	Technic Axle 4
3706	Black	6	Technic Axle 6
3707	Black	1	Technic Axle 8
3710	Black	16	Plate 1 x 4
3710	Red	16	Plate 1 x 4
3710	White	1	Plate 1 x 4
3713	Light bluish gray	17	Technic Bush with Two Flanges

PART NUMBER	COLOR	QUANTITY	NAME
3749	Blue	5	Technic Axle Pin
3749	Tan	1	Technic Axle Pin
3794a	Red	2	Plate 1 x 2 without Groove with One Center Stud
3794b	Black	2	Plate 1 x 2 with Groove with One Center Stud
3794b	Red	4	Plate 1 x 2 with Groove with One Center Stud
3794b	White	2	Plate 1 x 2 with Groove with One Center Stud
3794b	Light bluish gray	1	Plate 1 x 2 with Groove with One Center Stud
3795	Black	4	Plate 2 x 6
3832	Black	1	Plate 2 x 10
3832	Red	1	Plate 2 x 10
3894	Red	2	Technic Brick 1 x 6 with Holes
3937	Black	2	Hinge 1 x 2 Base
3937	Red	2	Hinge 1 x 2 Base
3938	Black	2	Hinge 1 x 2 Top
3938	Red	2	Hinge 1 x 2 Top
40490	Black	2	Technic Beam 9
4070	Red	8	Brick 1 x 1 with Headlight
4081b	Light bluish gray	2	Plate 1 x 1 with Clip Light Type 2
41239	Black	7	Technic Beam 13
4162	Black	1	Tile 1 x 8
4162	Red	2	Tile 1 x 8
41769	Red	3	Wing 2 x 4 Right
41770	Red	3	Wing 2 x 4 Left
42003	Dark bluish gray	2	Technic Cross Block 1 x 3 (Axle/Pin/Pin)
4215a	Red	6	Panel 1 x 4 x 3
4274	Light bluish gray	2	Technic Pin 1/2
4275b	Black	4	Hinge Plate 1 x 2 with Three Fingers and Hollow Studs
4276b	Black	4	Hinge Plate 1 x 2 with Two Fingers and Hollow Studs
4282	Black	2	Plate 2 x 16



PART NUMBER	COLOR	QUANTITY	NAME
4286	Red	2	Slope Brick 33 3 x 1
43093	Blue	23	Technic Axle Pin with Friction
43722	Red	1	Wing 2 x 3 Right
43723	Red	1	Wing 2 x 3 Left
43857	Blue	4	Technic Beam 2
44294	Light bluish gray	3	Technic Axle 7
4459	Black	16	Technic Pin with Friction
44728	Red	4	Bracket 1 x 2 - 2 x 2
4477	Black	1	Plate 1 x 10
4477	Red	2	Plate 1 x 10
4519	Light bluish gray	14	Technic Axle 3
4740	Light bluish gray	2	Dish 2 x 2 Inverted
48336	Red	2	Plate 1 x 2 with Handle Type 2
48336	Light bluish gray	4	Plate 1 x 2 with Handle Type 2
48989	Light bluish gray	4	Technic Cross Block 1 x 3 (Pin/Pin/Pin) with Four Pins
50950	Black	2	Slope Brick Curved 3 x 1
54200	Black	4	Slope Brick 31 1 x 1 x 0.667
54200	Red	4	Slope Brick 31 1 x 1 x 0.667
54200	Light bluish gray	1	Slope Brick 31 1 x 1 x 0.667
55615	Light bluish gray	2	Technic Pin Connector Perpendicular 3 x 3 Bent 90 with Four Pins
572a	Black	2	String End Stud
57515	Dark bluish gray	4	Technic Suspension Arm 2 x 6
577b	Black	2	Minifigure Lightsaber Hilt with Bottom Ring
58119	Light bluish gray	1	Electric Power Functions 9V Battery Box (Complete)
58123p01	Light bluish gray	1	Electric Power Functions IR Receiver with "V2" Pattern
59426	Dark bluish gray	1	Technic Axle 5.5 with Stop Type 2
59443	Light bluish gray	12	Technic Axle Joiner Inline Smooth
59443	Dark bluish gray	1	Technic Axle Joiner Inline Smooth
6019	Black	2	Plate 1 x 1 with Clip Horizontal (Open U-Clip)

PART NUMBER	COLOR	QUANTITY	NAME
6019	Red	4	Plate 1 x 1 with Clip Horizontal (Open U-Clip)
60470a	Red	2	Plate 1 x 2 with Two Clips Horizontal (Open U-Clips)
60479	Black	2	Plate 1 x 12
60479	Red	2	Plate 1 x 12
60479	Dark bluish gray	1	Plate 1 x 12
60483	Black	3	Technic Beam 2 Liftarm
60483	Light bluish gray	2	Technic Beam 2 Liftarm
60483	Dark bluish gray	2	Technic Beam 2 Liftarm
60484	Black	4	Technic Beam 3 x 3 T-shaped
60484	Dark bluish gray	2	Technic Beam 3 x 3 T-shaped
60485	Light bluish gray	2	Technic Axle 9
6081	Red	4	Brick 2 x 4 x 1.333 with Curved Top
60849	Black	2	Minifigure Hose Nozzle with Side String Hole Simplified
60849	Light bluish gray	4	Minifigure Hose Nozzle with Side String Hole Simplified
6091	Red	12	Brick 2 x 1 x 1.333 with Curved Top
6091	Light bluish gray	4	Brick 2 x 1 x 1.333 with Curved Top
6112	Red	2	Brick 1 x 12
6141	Black	4	Plate 1 x 1 Round
6141	Red	2	Plate 1 x 1 Round
6141	Trans clear	2	Plate 1 x 1 Round
6141	Trans orange	2	Plate 1 x 1 Round
6141	Light bluish gray	3	Plate 1 x 1 Round
61678	Red	2	Slope Brick Curved 4 x 1
6190	Light bluish gray	2	Bar 1 x 3
61903	Light bluish gray	1	Technic Universal Joint 3L (Complete)
6191	Red	16	Brick 1 x 4 x 1.333 with Curved Top
62498c01	Trans clear	2	Electric Power Functions Light with Cable Vertical
62498c02	Trans clear	2	Electric Power Functions Light with Cable Horizontal
62501c01	Black	2	Electric Power Functions Light Middle Box (Complete)

PART NUMBER	COLOR	QUANTITY	NAME
62519	Light bluish gray	1	Technic Universal Joint 3L Center
62520	Light bluish gray	2	Technic Universal Joint 3L End
62821	Dark bluish gray	1	Technic Differential with One Gear 28 Tooth Bevel
63864	Black	2	Tile 1 x 3 with Groove
63864	Red	2	Tile 1 x 3 with Groove
63869	Black	11	Technic Cross Block 3 x 2 (Axle/Triple Pin)
63869	Light bluish gray	1	Technic Cross Block 3 x 2 (Axle/Triple Pin)
64179	Light bluish gray	5	Technic Beam 7 x 5 with Open Center 5 x 3
6536	Black	25	Technic Cross Block 1 x 2 (Axle/Pin)
6536	Dark bluish gray	1	Technic Cross Block 1 x 2 (Axle/Pin)
6541	Red	2	Technic Brick 1 x 1 with Hole
6558	Blue	41	Technic Pin Long with Friction and Slot
6587	Tan	7	Technic Axle 3 with Stud
6587	Dark bluish gray	2	Technic Axle 3 with Stud
6589	Tan	3	Technic Gear 12 Tooth Bevel
6628	Black	12	Technic Pin Towball with Friction
6629	Black	4	Technic Beam 4 x 6 Liftarm Bent 53.13
6632	Light bluish gray	4	Technic Beam 3 x 0.5 Liftarm
6636	Black	3	Tile 1 x 6
6636	Light bluish gray	2	Tile 1 x 6
6641	Red	1	Technic Transmission Changeover Catch
75535	Black	2	Technic Pin Joiner Round
76138	Red	2	Technic Shock Absorber 6.5L Stiff (Complete)
76138	Dark bluish gray	2	Technic Shock Absorber 6.5L Stiff (Complete)
85970	Red	14	Slope Brick Curved 1 x 8 with Plate 1 x 2
85970	White	4	Slope Brick Curved 1 x 8 with Plate 1 x 2
85984	Red	36	Slope Brick 31 1 x 2 x 0.667
85984	White	4	Slope Brick 31 1 x 2 x 0.667
86652	Light bluish gray	2	Wheel Rim 18 x 37 with Six Peg Holes and Short Axle Bush

PART NUMBER	COLOR	QUANTITY	NAME
87079	Black	1	Tile 2 x 4 with Groove
87079	Red	24	Tile 2 x 4 with Groove
87079	White	6	Tile 2 x 4 with Groove
87082	Light bluish gray	6	Technic Pin Long with Pin Hole
87083	Dark bluish gray	8	Technic Axle 4 with Stop
87087	Red	6	Brick 1 x 1 with Stud on One Side
87580	White	1	Plate 2 x 2 with Groove with One Center Stud
87761	Black	1	Technic Gear Rack 1 x 7 with Peg Holes and Axle Holes
87994	Red	2	Bar 3L
91988	Red	1	Plate 2 x 14
92593	Black	1	Plate 1 x 4 with Two Studs
92906	Dark bluish gray	1	Technic Steering Constant Velocity Joint Female
92907	Light bluish gray	4	Technic Cross Block 2 x 2 x 2 Bent 90 Split (Pin/Twin Axle)
92910	Light bluish gray	1	Technic Ball Joint 2.25 Diameter with C-Shape Frame
92911	Dark bluish gray	1	Technic Ball Joint 2.25 Diameter Socket
93606	Red	8	Slope Brick Curved 4 x 2
93606	White	4	Slope Brick Curved 4 x 2
94925	Light bluish gray	6	Technic Gear 16 Tooth Reinforced
98138	Light bluish gray	3	Tile 1 x 1 Round with Groove
98138pc1	Flat silver	1	Tile 1 x 1 Round with Groove with Gauge with Red Pointer Pattern
99008	Tan	6	Technic Axle 4 with Middle Cylindrical Stop
99206	Black	2	Plate 2 x 2 x 0.667 with Two Studs On Side and Two Raised
99498	Light bluish gray	1	Electric Power Functions Servo Motor
99499	Light bluish gray	2	Electric Power Functions Large Motor
99780	Black	2	Bracket 1 x 2 - 1 x 2 Up
99781	Black	5	Bracket 1 x 2 - 1 x 2 Down