

Robotics Invention System Kit (#K9916)

**Axes, Joiners, Pins
(BAG 1)
273**

PartNum	Color	Description	#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL
x33	Black	Technic 1 x 3 with 2 Axle Holes and Pin						2			2
32062	Black	Technic Axle 2 Notched	10						4		14
4519	Black	Technic Axle 3	3								3
4519	Gray	Technic Axle 3						4			4
6587	DkGray	Technic Axle 3 with Stud	2					2			4
3705	Black	Technic Axle 4	7					4			11
32073	Black	Technic Axle 5	2								2
32073	Gray	Technic Axle 5						4			4
552	Black	Technic Axle 5.5 With Stop						2			2
3706	Black	Technic Axle 6	8					4			12
300	Gray	Technic Axle 7						4			4
3707	Black	Technic Axle 8	7					2			9
3737	Black	Technic Axle 10	4					2			6
3708	Black	Technic Axle 12	2					2			4
32201	Yellow	Technic Axle Flexible 14									0
6538b	Black	Technic Axle Joiner Offset						2			2
6538b	Gray	Technic Axle Joiner Offset	4								4
6536	Black	Technic Axle Joiner Perpendicular						2			2
6536	Gray	Technic Axle Joiner Perpendicular	6								6
32068	Gray	Technic Axle Joiner Perpendicular 3 Long	2								2
32184	Black	Technic Axle Joiner Perpendicular 3L						2			2
32291	Black	Technic Axle Joiner Perpendicular Double							2		2
41678	Black	Technic Axle Joiner Perpendicular Double Split							2		2
3749	Gray	Technic Axle Pin	16								16
3749	Tan	Technic Axle Pin									0
3713	Gray	Technic Bush	40								40
4265c	Gray	Technic Bush 1/2 Smooth	18								18
3711	Black	Technic Link Chain									0
3673	Gray	Technic Pin	24								24
4274	Gray	Technic Pin 1/2	8								8
32002	DkGray	Technic Pin 3/4	16								16
32136	Yellow	Technic Pin 3L Double	2								2
32557	Black	Technic Pin Joiner Dual Perpendicular						2			2
75535	Black	Technic Pin Joiner Round						2			2
6558	Black	Technic Pin Long with Friction	8								8
32054	Blue	Technic Pin Long with Stop Bush	4								4
4459	Black	Technic Pin with Friction	24								24
6553	Black	Technic Pole Reverser Handle						2			2
6553	Gray	Technic Pole Reverser Handle	2								2
9244	Gray	Technic Universal Joint						2			2
BAG 1 TOTAL			219	0	0	0	0	6	48	0	273

**Beams (Liftarms)
(BAG 2)
84**

PartNum	Color	Description	#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL
6575	Black	Technic Cam						2			2
6575	Gray	Technic Cam	2								2
30	Black	Technic Hook Large Metallic									0
x68	Black	Technic Liftarm 1 x 2						2			2
43857	Black	Technic Liftarm 1 x 2 Straight						2			2
6632	Black	Technic Liftarm 1 x 3						2			2
6632	Gray	Technic Liftarm 1 x 3	4								4
32523	Black	Technic Liftarm 1 x 3 Straight						2			2
2825	Black	Technic Liftarm 1 x 4						2			2
2825	Gray	Technic Liftarm 1 x 4	2								2
x200	Black	Technic Liftarm 1 x 4 Thin						2			2

	32017	Black	Technic Liftarm 1 x 5						2				2					
	32017	Gray	Technic Liftarm 1 x 5	4									4					
	32316	Black	Technic Liftarm 1 x 5 Straight						2				2					
	41666	Gray	Technic Liftarm 1 x 5 with Double Bevel Gear and with 1 12 Tooth Bev								2		2					
	32063	Black	Technic Liftarm 1 x 6						2				2					
	32065	Black	Technic Liftarm 1 x 7	4					2				6					
	32348	Black	Technic Liftarm 1 x 7 Bent						2				2					
	x150	Black	Technic Liftarm 1 x 7 Straight						2				2					
	152	Black	Technic Liftarm 1 x 9 Bent						2				2					
	6629	Black	Technic Liftarm 1 x 9 Bent	4					2				6					
	120	Black	Technic Liftarm 1 x 9 Straight						2				2					
	32525	Black	Technic Liftarm 1 x 11 Straight						2				2					
	32009	Black	Technic Liftarm 1 x 11.5 Double Bent						2				2					
	32009	Yellow	Technic Liftarm 1 x 11.5 Double Bent	4									4					
	32278	Black	Technic Liftarm 1 x 15 Straight						2				2					
	32140	Black	Technic Liftarm 2 x 4 L Shape	2					2				4					
	41667	Gray	Technic Liftarm 2 x 5 x 3 with Double Bevel Gear, 75' Gearing Axleho									2	2					
	32056	Black	Technic Liftarm 3 x 3 L Shape						2				2					
	32056	Gray	Technic Liftarm 3 x 3 L Shape	4									4					
	32249	Black	Technic Liftarm 3 x 3 L Shape with Quarter Circle						2				2					
	32526	Black	Technic Liftarm 3 x 5 L Shape						2				2					
	32250	Black	Technic Liftarm 3 x 5 L Shape with Quarter Oval						2				2					
	32250	Blue	Technic Liftarm 3 x 5 L Shape with Quarter Oval										0					
	2905	Black	Technic Triangle						2				2					
BAG 2 TOTAL									30	0	0	0	0	0	50	0	4	84
									#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL	
Bricks, Large (BAG 3) 48	PartNum	Color	Description															
	73090b	Black	Boat Weight 2 x 6 x 2														0	
	3007	Red	Brick 2 x 8														0	
	3701	Black	Technic Brick 1 x 4 with Holes	10													10	
	3701	Green	Technic Brick 1 x 4 with Holes	2													2	
	3701	Red	Technic Brick 1 x 4 with Holes														0	
	3894	Black	Technic Brick 1 x 6 with Holes	8													8	
	3894	Red	Technic Brick 1 x 6 with Holes														0	
	3702	Black	Technic Brick 1 x 8 with Holes	8													8	
	3702	Red	Technic Brick 1 x 8 with Holes														0	
	2730	Black	Technic Brick 1 x 10 with Holes	8													8	
	3895	Black	Technic Brick 1 x 12 with Holes	6													6	
	3895	Red	Technic Brick 1 x 12 with Holes														0	
	3703	Black	Technic Brick 1 x 16 with Holes	6													6	
	3703	Red	Technic Brick 1 x 16 with Holes														0	
BAG 3 TOTAL									48	0	0	0	0	0	0	0	48	
Bricks, Small (BAG 4) 113																		
	3004	Black	Brick 1 x 2	20													20	
	3004	Yellow	Brick 1 x 2	4													4	
	3003	Black	Brick 2 x 2	20													20	
	3003	Red	Brick 2 x 2														0	
	3941	Black	Brick 2 x 2 Round	8													8	
	3001	Black	Brick 2 x 4	5													5	
	3001	Red	Brick 2 x 4														0	
	6249	DkGray	Brick 2 x 4 with Pins								4						4	
	4589	White	Cone 1 x 1	2													2	
	4589	Yellow	Cone 1 x 1	2													2	
	3747	Black	Slope Brick 33 3 x 2 Inverted	4													4	
	3040	Black	Slope Brick 45 2 x 1	12													12	
	3040	Yellow	Slope Brick 45 2 x 1	4													4	
	3665	Black	Slope Brick 45 2 x 1 Inverted	4													4	
	3665	Yellow	Slope Brick 45 2 x 1 Inverted	4													4	
	32064	Green	Technic Brick 1 x 2 with Axlehole	4													4	
	3700	Black	Technic Brick 1 x 2 with Hole	12													12	

BAG 4 TOTAL	3700	Red	Technic Brick 1 x 2 with Hole										0
	3700	Yellow	Technic Brick 1 x 2 with Hole		4								4
				109	0	0	0	0	4	0	0	0	113
Connectors (BAG 5) 32	PartNum	Color	Description	#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL	
	32013	Black	Technic Angle Connector #1							2		2	
	32013	Blue	Technic Angle Connector #1	4								4	
	32034	Black	Technic Angle Connector #2							2		2	
	32034	Blue	Technic Angle Connector #2	2								2	
	32034	Gray	Technic Angle Connector #2									0	
	32016	Black	Technic Angle Connector #3							2		2	
	32016	Blue	Technic Angle Connector #3									0	
	924	Black	Technic Angle Connector #4							2		2	
	32015	Black	Technic Angle Connector #5							2		2	
	32015	Gray	Technic Angle Connector #5	4								4	
	32014	Black	Technic Angle Connector #6							2		2	
	32014	Blue	Technic Angle Connector #6									0	
	32137	TrBlue	Technic Connector Block 3 x 2 x 2	4								4	
	44	Gray	Technic Connector Toggle Joint Smooth							2		2	
	32039	Black	Technic Connector with Axlehole							2		2	
	32039	Gray	Technic Connector with Axlehole	2								2	
	BAG 5 TOTAL				16	0	0	0	0	0	16	0	32
	Gears (BAG 6) 73	PartNum	Color	Description	#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL
2983		Gray	Electric Technic Micromotor Pulley	2								2	
6573		DkGray	Technic Differential New	1							1	2	
2854		Gray	Technic Engine Crankshaft Centre	2								2	
3647		Gray	Technic Gear 8 Tooth	6								3	
6589		Gray	Technic Gear 12 Tooth Bevel	5								5	
32270		Gray	Technic Gear 12 Tooth Double Bevel									2	
4019		Gray	Technic Gear 16 Tooth	4								2	
6542		DkGray	Technic Gear 16 Tooth with Clutch									2	
32198		Gray	Technic Gear 20 Tooth Bevel									2	
32269		Gray	Technic Gear 20 Tooth Double Bevel									2	
3648		Gray	Technic Gear 24 Tooth	4								2	
3648		Red	Technic Gear 24 Tooth										
60c01		White	Technic Gear 24 Tooth Clutch	1									
3650		Gray	Technic Gear 24 Tooth Crown Type III (x pattern)	4								2	
x403		Gray	Technic Gear 36 Tooth Double Bevel									2	
3649		Gray	Technic Gear 40 Tooth	4								2	
3649		Green	Technic Gear 40 Tooth										
3649		White	Technic Gear 40 Tooth										
3743		Gray	Technic Gear Rack 1 x 4	4									
6588		Yellow	Technic Gearbox 2 x 4 x 3 & 1/3										
3736		Gray	Technic Pulley Large	2								2	
32012		Blue	Technic Reel 3 x 2										
2856		Black	Technic Turntable Base, connected to 2855										
2855		Clear	Technic Turntable Top, connected to 2856									1	
4716		Black	Technic Worm Screw	2								2	
BAG 6 TOTAL					41	0	0	0	0	0	0	32	73
Motors, Sensors + Cables (BAG 7) 12		PartNum	Color	Description	#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL
		5306b	Black	Electric Brick 2 x 2 x 2/3 Pair with Wire, 13 cm	4								4
		5306b	Black	Electric Brick 2 x 2 x 2/3 Pair with Wire, 120 cm	2								2
		2982c01	Blue	Electric Light Sensor	1								1
		2977c01	Blue	Electric Rotation Sensor (Complete Assembly Shortcut)									0

BAG 7 TOTAL	71427c01	Gray	Electric Technic Mini-Motor 9v	2		1													3
	879	Gray	Electric Touch Sensor Brick 3 x 2	2															2
				11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	12
Plates, Large (BAG 8) 71	PartNum	Color	Description	#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL							
	3710	Blue	Plate 1 x 4									0							
	3710	Gray	Plate 1 x 4	10								10							
	3666	Gray	Plate 1 x 6	10								10							
	3460	Blue	Plate 1 x 8									0							
	3460	Gray	Plate 1 x 8	8								8							
	4477	Blue	Plate 1 x 10									0							
	4477	Gray	Plate 1 x 10	6								6							
	3020	Yellow	Plate 2 x 4	6								6							
	30157	DkGray	Plate 2 x 4 with Pins						2			2							
	3795	Blue	Plate 2 x 6									0							
	3034	Green	Plate 2 x 8	4								4							
	3832	Gray	Plate 2 x 10	6								6							
	2419	Green	Plate 3 x 6 without Corners	2								2							
	3036	Green	Plate 6 x 8									0							
	3033	Gray	Plate 6 x 10	1								1							
	3456	Red	Plate 6 x 14									0							
	3709b	Blue	Technic Plate 2 x 4 with Holes									0							
	3709b	Gray	Technic Plate 2 x 4 with Holes	4								4							
	32001	Gray	Technic Plate 2 x 6 with Holes	4								4							
	3738	Blue	Technic Plate 2 x 8 with Holes									0							
	3738	Gray	Technic Plate 2 x 8 with Holes	8								8							
	32124	Blue	Technic Rotor 2 Blade with 4 Studs									0							
	2431	Blue	Tile 1 x 4									0							
	BAG 8 TOTAL				69	0	0	0	2	0	0	0	71						
	Plates, Small (BAG 9) 88	3956	Blue	Bracket 2 x 2 - 2 x 2									0						
		3956	Gray	Bracket 2 x 2 - 2 x 2	2								2						
		4275	Black	Hinge Plate 1 x 2 with 3 Fingers	2								2						
4531		Black	Hinge Tile 1 x 2 with 2 Fingers	2								2							
3024		Gray	Plate 1 x 1	8								8							
4073		Black	Plate 1 x 1 round	2								2							
4073		Blue	Plate 1 x 1 round	2								2							
4073		White	Plate 1 x 1 round	2								2							
6019		Black	Plate 1 x 1 with Clip Horizontal	2								2							
4085c		Black	Plate 1 x 1 with Clip Vertical - Type 3	2								2							
3023		Blue	Plate 1 x 2									0							
3023		Gray	Plate 1 x 2	20								20							
3794		Blue	Plate 1 x 2 with 1 Stud									0							
32028		Gray	Plate 1 x 2 with Door Rail	8								8							
3623		Yellow	Plate 1 x 3	2								2							
3022		Blue	Plate 2 x 2	4								4							
3022		Gray	Plate 2 x 2	8								8							
3022		Green	Plate 2 x 2	2								2							
2420		Gray	Plate 2 x 2 corner	8								8							
4032		Blue	Plate 2 x 2 Round	2								2							
4032		White	Plate 2 x 2 Round	2								2							
2817		Gray	Plate 2 x 2 with Holes	4								4							
3176		Black	Plate 3 x 2 with Hole									0							
2654		Black	Round Dish 2 x 2	2								2							
3069b		Yellow	Tile 1 x 2 with Groove									0							
3068b		Black	Tile 2 x 2 with Groove									0							
3068b		White	Tile 2 x 2 with Groove									0							
3680c01		Black	Turntable 2 x 2 Plate	2								2							
3680c01		Blue	Turntable 2 x 2 Plate									0							
BAG 9 TOTAL					88	0	0	0	0	0	0	0	88						

	PartNum	Color	Description	#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL
Rubber Bands, Hoses, etc. (BAG 10) 28	x400	Clear	Electric Technic Fiber Optics Cable Wide, 25L	1								1
	x88	Black	Rubber Band Square	4								4
	x90	Yellow	Rubber Belt Extra Large	3								3
	x89	Blue	Rubber Belt Large	3								3
	x37	Blue	Rubber Belt Medium									0
	x71	White	Rubber Belt Small	3								3
	75	Yellow	Technic Flex System Hose	2								2
	78	Black	Technic Ribbed Hose, 9 L	4								4
	78	Teal	Technic Ribbed Hose, 9 L	4								4
	78	Purple	Technic Ribbed Hose, 12 L	4								4
BAG 10 TOTAL				28	0	0	0	0	0	0	0	28
Wheels (BAG 11) 39	32072	DkGray	Technic Knob Wheel								2	2
	32007	White	Technic Tread Sprocket Wheel	4								4
	4185	Gray	Technic Wedge Belt Wheel	4							2	6
	x265	Gray	Wheel 11 x 8 with Center Groove					5				5
	6582	White	Wheel 20 x 30 Balloon Medium									0
	30285	White	Wheel 30.4 x 14					8				8
	2994	White	Wheel 30.4 x 14 VR	2								2
	6595	White	Wheel 49.6 x 28 VR	2								2
	2903	White	Wheel 81.6 x 15 Motorcycle	4								4
	3482	Yellow	Wheel Centre Large	6								6
BAG 11 TOTAL				22	0	0	0	13	0	0	4	39
Tyres (BAG 12) 32	680c01	Black	Technic Tread	2								2
	70162	Black	Technic Wedge Belt Wheel Tyre	2								2
	3634	Black	Tyre 17 x 43	2								2
	x266	Black	Tyre 17.5 x 6 with Shallow Straggered Treads					4				4
	6581	Black	Tyre 20 x 30 Balloon Medium									0
	x436	Black	Tyre 24 x 14 with Small Shallow Straggered Treads					4				4
	x142	Black	Tyre 30.4 x 14					4				4
	6578	Black	Tyre 30.4 x 14 VR Balloon Very Small	2								2
	6594	Black	Tyre 49.6 x 28 VR	2								2
	2902	Black	Tyre 81.6 x 15 Motorcycle	4								4
2346	Black	Tyre Medium	4								4	
3483	Black	Tyre Small	2								2	
BAG 12 TOTAL				20	0	0	0	12	0	0	0	32
Miscellaneous (BAG 13) 14	6133	TrOrange	Animal Dragon Wing	2								2
	6048	Black	Arm Piece with Pin and 2 Fingers, attached to 4220 and 4221	2								2
	6007	DkGray	Brick Separator	1								1
	4176779	Green	Capacitor				1					1
	x85	Silver	Electric Light Reflector Round 2 x 2 x 2/3									0
	4221	Black	Grab Jaw, attached to 4220 and 6048	4								4
	4220	Yellow	Grab Jaw Holder, attached to 4221 and 6048	2								2
	3960	White	Round Dish 4 x 4 Inverted	2								2
BAG 13 TOTAL				13	0	0	1	0	0	0	0	14

	PartNum	Color	Description	#3804	#9738	#4176779	#9916	#10049	#10072	#10074	#10076	TOTAL
Other 5	884	Yellow	Electric Mindstorms RCX, 2.0	1								1
	x124	Black	Electric Remote Control for RCX		1							1
	x431c01	DkGray	Electric Transmitter Tower IR USB with Black Front	1								1
			Conructopedia™	1								1
			CD-ROM Software	1								1
Other TOTAL				4	1	0	0	0	0	0	0	5

718 1 1 1 31 56 64 40 912

- #K9916 LEGO Mindstorms Robotics Invention System Kit
- #3804 LEGO Mindstorms Robotics Invention System 2.0
 - #9738 LEGO Remote Control
 - #4176779 LEGO 9-volt Motor
 - #9916 LEGO Capacitor
 - #10049 LEGO Large Wheels and Axles
 - #10072 LEGO Technic Beams
 - #10074 LEGO Technic Cross Axles
 - #10076 LEGO Technic Gears Wheels

NOTES: