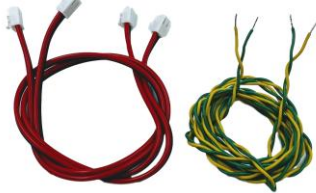


RoboCup Smart Farming Collection Part # 70209

Item #	Description	Part #	Image	Pack	In Kit
Electronics and Accessories					
1	IR Range Sensor (10 cm to 80 cm)	40117		1	2
2	IR Range Sensor Bracket	40118		1	2
3	Zip Ties, Blue, 150mm (100 pack)	70010		100	1
4	12V 3,000 mAh NiMH Battery Pack, PP45	70018		1	2

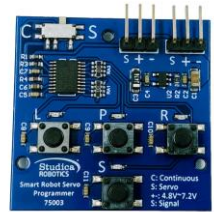
5	NiMH Battery Pack Charger, PP45	70019		1	1
6	Powerpole 45 Extension Cable, 14AWG, 50cm	70021		1	2
7	Robotics Toolbox	70056		1	1
8	Remote Controller - Bluetooth	70112		1	1
9	2.5mm Hex Ball End Screwdriver	70142		1	1
10	Hex Key Metric 7 Piece Set (1.5, 2, 2.5, 3, 4, 5, 6)	70144		1	1

11	Combination Wrench, 5.5mm	70145		1	1
12	Combination Flex Head Ratchet Wrench, 5.5mm	70147		1	1
13	Nut Driver, 5.5mm	70146		1	1
14	Chain Break & Press Tool	76231		1	1
15	Cobra Line Follower Sensor - V3	70150		1	1
16	Titan Quad Motor Controller	70152		1	1

17	VMX Cable Pack	70160		1	1
18	Titan Cable Pack w/1 CAN Cable & 2 JST-VH to JST-VH Cable	70162		1	1
19	LED Light Tower	70113		1	1
20	Power Control Panel	70170		1	1
21	VMX Robotics Controller	70176		1	1
22	Servo Extension Cable	70188		1	4

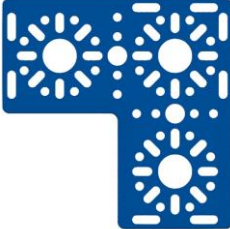
23	Servo Y-Split Cable	70189		1	4
24	T-Mini Lidar Kit	70499		1	1
25	360 Degree LiDAR	70500		1	1
26	Ultrasonic Distance Sensor	70753		1	2
27	Ultrasonic Distance Sensor Bracket	40238		1	2
28	PWM cable Set - TJC8 3 pin, 22AWG, F-F - 12 pcs	71011		12	1

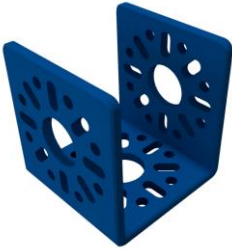
29	Dupont Single Pin, 4 wire, F-F Cable - 2 pack	71014		2	1
30	3D Depth Sense Camera	71044		1	1
31	Short Lever Limit Switch (4 pack)	72060		4	1
32	Maverick 12V DC Gear Motor w/Encoder	75001		1	4
33	Cypher Max Through Bore Encoder	75051		1	1
34	Multi-Mode Smart Servo	75002		1	3

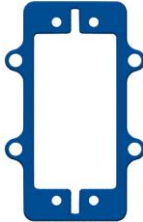
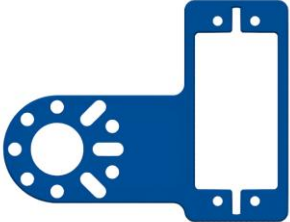
35	Smart Robot Servo Programmer	75003		1	1
36	6V DC AA Battery Holder w/TJC8 Female, 22AWG	75004		1	1
37	Servo Power Block	75006		1	1
38	Multi-Mode Smart Servo 200	75007		1	3
U-Channel					
39	432mm U-Channel	76010		1	2
40	336mm U-Channel	76012		1	3

41	288mm U-Channel (2 pack)	76013-2		2	2
42	144mm U-Channel (2 pack)	76016-2		2	1
43	96mm U-Channel (2 pack)	76017-2		2	1
44	48mm U-Channel (2 pack)	76018-2		2	4
45	288mm Low U-Channel (2 pack)	76028-2		2	1
46	Rubber Grommet (10 pack)	76504-10		10	1

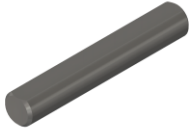
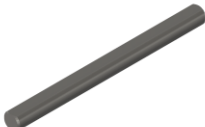
47	U-Channel Bumper (4 pack)	76505-4		4	1
48	Rubber Foot (4 pack)	76506-4		4	1
Flat Brackets					
49	288mm Flat Beam (2 pack)	76043-2		2	2
50	96mm Flat Beam (2 pack)	76047-2		2	2
51	144mm x 40mm Flat Bracket (2 pack)	76064-2		2	2
52	96mm x 40mm Flat Bracket (2 pack)	76065-2		2	3

53	192mm x 96mm Flat Bracket (2 pack)	76066-2		2	1
Irregular Brackets					
54	120 Degree Bracket (2 pack)	76080-2		2	3
55	90 Degree Bracket (2 pack)	76081-2		2	3
56	96mm Adjustable Flat Bracket (2 pack)	76083-2		2	2
57	T Bracket (2 pack)	76084-2		2	1
58	X Bracket (2 pack)	76085-2		2	1

59	Inside U Bracket (2 pack)	76086-2		2	2
60	L Bracket (2 pack)	76087-2		2	4
61	Battery Clip (2 pack)	76088-2		2	1
62	Inside L Bracket (2 pack)	76089-2		2	4
63	Motor Mount Plate	76140		1	4
64	Motor Mount Clamp Kit	76141		1	4

65	End Piece Plate (2 pack)	76143-2		2	4
66	Threaded Pattern Plate	76503-6		6	1
67	Threaded Joiner Plate	76502-6		6	1
68	Servo Standard Front Mount	76144		1	3
69	Servo Mount Flat Plate	76145		1	3
70	Servo Mount Offset Plate	76146		1	3

71	Servo Horn 25T	76148		1	2
72	Servo Spline Gear - 30T Gear, 25T Spline	76153		1	2
73	6mm D-Shaft Servo Hub 25T	76149		1	2
74	Servo Arm Extended	76150		1	2
75	Servo Arm	76151		1	2
76	Servo Hub Pro	76152		1	2
Axles, Slides, Rack & Pinion					

77	250mm Linear Slide Kit	72064		1	1
78	Slide Rail, 288mm Length, 180mm Stroke	72066		1	2
79	Slide Rail, 384mm Length, 240mm Stroke	72067		1	2
80	6mm x 35mm D-Shaft (6 pack)	76159-6		6	1
81	6mm x 70mm D-Shaft (6 pack)	76160-6		6	1
82	6mm x 96mm D-Shaft (6 pack)	76161-6		6	1

83	6mm x 432mm D-Shaft (2 pack)	76162-2		2	1
84	Rack & Pinion Set	76170-2		2	1
Standoffs					
85	42mm Standoff (12 pack)	76180-12		12	1
86	48mm Standoff (12 pack)	76181-12		12	1
87	25mm Standoff (12 pack)	76182-12		12	1
Screws, Nuts					
88	M3 x 8mm Socket Head Cap Screw (pack of 100)	76200-100		100	2

89	M3 x 10mm Socket Head Cap Screw (pack of 100)	76201-100		100	2
90	M3 x 12mm Socket Head Cap Screw (pack of 100)	76202-100		100	2
91	M3 x 10mm Button Head Cap Screw (pack of 50)	76203-50		50	1
92	M3 Kep Nut (pack of 100)	76204-100		100	2
93	M3 Nyloc Nut (pack of 100)	76205-100		100	1
94	M3 x 10mm Low Profile Screw with Kep Nut (6 pack)	76199-6		6	2

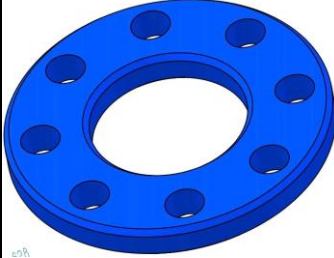
95	M3 x 30mm Socket Head Cap Screw (pack of 50)	76206-50		50	1
96	M3 x 20mm Socket Head Cap Screw (pack of 50)	76209-50		50	1
Gears, Sprockets, Pulleys, Belts					
97	36 Tooth D-Shaft Helical Bevel Gear 1 to 1 Set	77224D		2	2
98	13 and 26 Tooth D-Shaft Helical Bevel Gear Set	77223D		2	2
99	32 Tooth Gear (2 pack)	76220-2		2	2
100	64 Tooth Gear (2 pack)	76221-2		2	2

101	30 Tooth Gear	76500		1	2
102	90 Tooth Gear	76501		1	1
103	24 Tooth - Sprocket (2 pack)	76226-2		2	1
104	32 Tooth Sprocket (2 pack)	76227-2		2	1
105	#25 Chain with Master Links, 5 feet(152cm)	76230		1	1
106	20 Tooth GT2-6mm Timing Belt D-Shaft Pulley	76450		1	2

107	GT2-6mm Smooth D-Shaft Idler Pulley	76455		1	2
108	GT2-6mm Timing Belt Clamp w/Set Screw	76456		1	2
109	GT2 Timing Belt, 2mm Pitch, 6mm width, 1000mm Open, (2 pack)	76464-2		2	1
Wheels					
110	125mm All-Terrain Wheel Set	76249		4	1
111	100mm Omni Wheel	76272		1	4
Bushings, Bearings, Coupling, Collars and Spacers					
112	Intake Hub Kit	70210		1	4

113	Silicone Rubber Tubing for Intake Hub Kit	76410		1	2
114	Clamping Shaft Hub - V2	76280		1	8
115	6mm Shaft Hub (4 pack)	76284-4		4	3
116	Enhanced Wheel Hub Kit	76291		1	4
117	6mm D-Shaft Low Profile Clamping Hub	76292		1	4
118	Bushing Bronze 6mm ID x 8mm OD (12 pack)	76300-12		12	1

119	Bushing Bronze 6mm ID x 14mm OD (12 pack)	76301-12		12	1
120	Flange Bearing 6mm ID, 14mm OD, 15mm Flange (12 pack)	76302		12	2
121	Collar 6mm ID D-Shaft, 12mm OD (6 pack)	76304-6		6	2
122	Shaft Spacer 1mm - Nylon (24 pack)	76305-24		24	1
123	Shaft Spacer 2mm - Nylon (24 pack)	76306-24		24	1
124	Shaft Spacer 5mm - Nylon (12 pack)	76307-12		12	1

125	Shaft Spacer 20mm - Nylon (6 pack)	76308-6		6	1
126	1mm Thick M3 Screw Spacer (25 pack)	76309-25		25	1
127	5mm Thick M3 Screw Spacer (10 pack)	76311-10		10	1
128	Pattern Spacer	76294-10		10	1
129	Small Thrust Ball Bearing 6mm ID, 12mm OD (12 pack)	76325-12		12	1