



































RoboCup Smart Farm Collection  
Part # 70209

Item #	Description	Part #	Image	Pack	In Kit
				Cont's	
<b>Electronics and Accessories</b>					
1	IR Range Sensor (10 cm to 80 cm)	<a href="#">40117</a>		1	2
2	IR Range Sensor Bracket	<a href="#">40118</a>		1	2
3	Zip Ties, Blue, 150mm (100 pack)	<a href="#">70010</a>		100	1
4	12V 3,000 mAh NiMH Battery Pack, PP45	<a href="#">70018</a>		1	2
5	NiMH Battery Pack Charger, PP45	<a href="#">70019</a>		1	1
6	Powerpole 45 Extension Cable, 14AWG, 50cm	<a href="#">70021</a>		1	2
7	Robotics Toolbox	<a href="#">70056</a>		1	1
8	Remote Controller - Bluetooth	<a href="#">70112</a>		1	1
9	2.5mm Hex Ball End Screwdriver	<a href="#">70142</a>		1	1

10	Hex Key Metric 7 Piece Set (1.5, 2, 2.5, 3, 4, 5, 6)	<a href="#">70144</a>		1	1
11	Combination Wrench, 5.5mm	<a href="#">70145</a>		1	1
12	Cobra Line Follower Sensor	<a href="#">70151</a>		1	1
13	Titan Quad Motor Controller	<a href="#">70152</a>		1	1
14	VMX Cable Pack	<a href="#">70160</a>		1	1
15	Titan Cable Pack w/1 CAN Cable & 2 JST-VH to JST-VH Cable	<a href="#">70162</a>		1	1
16	Power Control Panel	<a href="#">70170</a>		1	1
17	VMX Robotics Controller	<a href="#">70176</a>		1	1
18	Servo Extension Cable	<a href="#">70188</a>		1	4
19	Servo Y-Split Cable	<a href="#">70189</a>		1	4
20	T-Mini Lidar Kit	<a href="#">70499</a>		1	1
21	Ultrasonic Distance Sensor	<a href="#">70753</a>		1	2
22	Ultrasonic Distance Sensor Bracket	<a href="#">40238</a>		1	2

23	Analog Module w/JST-SH to JST-GH Cable	<a href="#">70755</a>		1	1
24	PWM cable Set - TJC8 3 pin, 22AWG, F-F - 12 pcs	<a href="#">71011</a>		12	1
25	Dupont Single Pin, 4 wire, F-F Cable - 2 pack	<a href="#">71014</a>		2	1
26	3D Depth Sense Camera	<a href="#">71044</a>		1	1
27	Short Lever Limit Switch (4 pack)	<a href="#">72060</a>		4	1
28	Maverick 12V DC Gear Motor w/Encoder	<a href="#">75001</a>		1	4
29	Multi-Mode Smart Servo	<a href="#">75002</a>		1	2
30	Smart Robot Servo Programmer	<a href="#">75003</a>		1	1
31	6V DC AA Battery Holder w/TJC8 Female, 22AWG	<a href="#">75004</a>		1	1
32	Servo Power Block	<a href="#">75006</a>		1	1
33	Multi-Mode Smart Servo 200	<a href="#">75007</a>		1	2
34	<b>U-Channel</b>				
35	432mm U-Channel	<a href="#">76010</a>		1	2
36	336mm U-Channel	<a href="#">76012</a>		1	3

37	288mm U-Channel (2 pack)	<a href="#">76013-2</a>		2	2
38	144mm U-Channel (2 pack)	<a href="#">76016-2</a>		2	1
39	96mm U-Channel (2 pack)	<a href="#">76017-2</a>		2	1
40	48mm U-Channel (2 pack)	<a href="#">76018-2</a>		2	4
41	288mm Low U-Channel (2 pack)	<a href="#">76028-2</a>		2	1
42	Rubber Grommet (10 pack)	<a href="#">76504-10</a>		10	1
43	U-Channel Bumper (4 pack)	<a href="#">76505-4</a>		4	1
44	Rubber Foot (4 pack)	<a href="#">76506-4</a>		4	1
45	<b>Flat Brackets</b>				
46	288mm Flat Beam (2 pack)	<a href="#">76043-2</a>		2	2
47	96mm Flat Beam (2 pack)	<a href="#">76047-2</a>		2	2
48	144mm x 40mm Flat Bracket (2 pack)	<a href="#">76064-2</a>		2	2
49	96mm x 40mm Flat Bracket (2 pack)	<a href="#">76065-2</a>		2	3
50	192mm x 96mm Flat Bracket (2 pack)	<a href="#">76066-2</a>		2	1

51	<b>Irregular Brackets</b>				
52	120 Degree Bracket (2 pack)	<a href="#">76080-2</a>		2	3
53	90 Degree Bracket (2 pack)	<a href="#">76081-2</a>		2	3
54	96mm Adjustable Flat Bracket (2 pack)	<a href="#">76083-2</a>		2	2
55	T Bracket (2 pack)	<a href="#">76084-2</a>		2	1
56	X Bracket (2 pack)	<a href="#">76085-2</a>		2	1
57	Inside U Bracket (2 pack)	<a href="#">76086-2</a>		2	2
58	L Bracket (2 pack)	<a href="#">76087-2</a>		2	4
59	Battery Clip (2 pack)	<a href="#">76088-2</a>		2	1
60	Inside L Bracket (2 pack)	<a href="#">76089-2</a>		2	4
61					
62	Motor Mount Plate	<a href="#">76140</a>		1	4
63	Motor Mount Clamp Kit	<a href="#">76141</a>		1	4
64	End Piece Plate (2 pack)	<a href="#">76143-2</a>		2	4

65	Servo Standard Front Mount	<a href="#">76144</a>		1	3
66	Servo Mount Flat Plate	<a href="#">76145</a>		1	3
67	Servo Mount Offset Plate	<a href="#">76146</a>		1	3
68	Servo Horn 25T	<a href="#">76148</a>		1	2
69	6mm D-Shaft Servo Hub 25T	<a href="#">76149</a>		1	2
70	Servo Arm Extended	<a href="#">76150</a>		1	2
71	Servo Arm	<a href="#">76151</a>		1	2
72	Servo Hub Pro	<a href="#">76152</a>		1	2
73	<b>Axles, Slides, Rack &amp; Pinion</b>				
74	250mm Linear Slide Kit	<a href="#">72064</a>		1	1
75	Slide Rail, 288mm Length, 180mm Stroke	<a href="#">72066</a>		1	2
76	Slide Rail, 384mm Length, 240mm Stroke	<a href="#">72067</a>		1	2
77	6mm x 35mm D-Shaft (6 pack)	<a href="#">76159-6</a>		6	1
78	6mm x 70mm D-Shaft (6 pack)	<a href="#">76160-6</a>		6	1

79	6mm x 96mm D-Shaft (6 pack)	<a href="#">76161-6</a>		6	1
80	Rack & Pinion Set	<a href="#">76170-2</a>		2	1
81	<b>Standoffs</b>				
82	42mm Standoff (12 pack)	<a href="#">76180-12</a>		12	1
83	48mm Standoff (12 pack)	<a href="#">76181-12</a>		12	1
84	25mm Standoff (12 pack)	<a href="#">76182-12</a>		12	1
85	<b>Screws, Nuts</b>				
86	M3 x 8mm Socket Head Cap Screw (pack of 100)	<a href="#">76200-100</a>		100	2
87	M3 x 10mm Socket Head Cap Screw (pack of 100)	<a href="#">76201-100</a>		100	2
88	M3 x 12mm Socket Head Cap Screw (pack of 100)	<a href="#">76202-100</a>		100	2
89	M3 x 10mm Button Head Cap Screw (pack of 50)	<a href="#">76203-50</a>		50	1
90	M3 Kep Nut (pack of 100)	<a href="#">76204-100</a>		100	2
91	M3 Nyloc Nut (pack of 100)	<a href="#">76205-100</a>		100	1
92	M3 x 30mm Socket Head Cap Screw (pack of 50)	<a href="#">76206-50</a>		50	1

93	M3 x 20mm Socket Head Cap Screw (pack of 50)	<a href="#">76209-50</a>		50	1
94	<b>Gears, Sprockets, Pulleys, Belts</b>				
95	30 Tooth Bevel Gear 1-to-1 Set (2 pack)	<a href="#">76219-2</a>		2	1
96	32 Tooth Gear (2 pack)	<a href="#">76220-2</a>		2	2
97	64 Tooth Gear (2 pack)	<a href="#">76221-2</a>		2	2
98	13 Tooth Bevel Gear, 6mm D-Shaft (2 pack)	<a href="#">76223-2</a>		2	1
99	26 Tooth Bevel Gear (2 pack)	<a href="#">76224-2</a>		2	1
100	24 Tooth - Sprocket (2 pack)	<a href="#">76226-2</a>		2	1
101	32 Tooth Sprocket (2 pack)	<a href="#">76227-2</a>		2	1
102	#25 Chain with Master Links, 5 feet(152cm)	<a href="#">76230</a>		1	1
103	6mm Timing Pulley, 10 Tooth (2 pack)	<a href="#">76232-2</a>		2	1
104	10mm Timing Belt (1 meter)	<a href="#">76233</a>		1	1
105	<b>Wheels</b>				
106	125mm All-Terrain Wheel Set	<a href="#">76249</a>		4	1



107	100mm Omni Wheel	<a href="#">76272</a>		1	4
108	<b>Bushings, Bearings, Coupling, Collars and Spacers</b>				
109	Intake Hub Kit	<a href="#">70210</a>		1	4
110	Silicone Rubber Tubing for Intake Hub Kit	<a href="#">76410</a>		1	2
111	Clamping Shaft Hub - V2	<a href="#">76280</a>		1	4
112	6mm Shaft Hub (4 pack)	<a href="#">76284-4</a>		4	4
113	Enhanced Wheel Hub Kit	<a href="#">76291</a>		1	4
114	6mm D-Shaft Low Profile Clamping Hub	<a href="#">76292</a>		1	4
115	Bushing Bronze 6mm ID x 8mm OD (12 pack)	<a href="#">76300-12</a>		12	1
116	Bushing Bronze 6mm ID x 14mm OD (12 pack)	<a href="#">76301-12</a>		12	1
117	Flange Bearing 6mm ID, 14mm OD, 15mm Flange (12 pack)	<a href="#">76302</a>		12	2
118	Collar 6mm ID D-Shaft, 12mm OD (6 pack)	<a href="#">76304-6</a>		6	2
119	Shaft Spacer 1mm - Nylon (24 pack)	<a href="#">76305-24</a>		24	1
120	Shaft Spacer 2mm - Nylon (24 pack)	<a href="#">76306-24</a>		24	1

121	Shaft Spacer 1mm - Nylon (24 pack)	<a href="#">76307-12</a>		24	1
122	Shaft Spacer 20mm - Nylon (6 pack)	<a href="#">76308-6</a>		6	1
123	1mm Thick M3 Screw Spacer (25 pack)	<a href="#">76309-25</a>		25	1
124	5mm Thick M3 Screw Spacer (10 pack)	<a href="#">76311-10</a>		10	1
125	Small Thrust Ball Bearing 6mm ID, 12mm OD (12 pack)	<a href="#">76325-12</a>		12	1