

Description	Amount	Cost	Total	Supplier	Order Code	Comment
Main Robot Chassis			£ 25.4404			<i>This is including many spares. It's highly likely you already own some of these items too</i>
A4 acrylic 3mm	1	£ 3.1000	£ 3.1000	eBay	201121042564	<i>More aesthetically pleasing</i>
A4 plywood 3mm	1	£ 3.4900	£ 3.4900	eBay	252056858061	<i>Preferred ito acrylic: Does not break as easily as acrylic which is very brittle</i>
20mm M3 screw	10	£ 0.0158	£ 1.5800	Rapid Electronics	33-2320	<i>Pack of 100</i>
30mm M3 screw	4	£ 0.3300	£ 1.6500	eBay	221265564237	<i>Pack of 5</i>
M3 nut	17	£ 0.0065	£ 0.6500	Rapid Electronics	33-1710	<i>Pack of 100</i>
DC geared motor	2	£ 1.8100	£ 3.6200	Rapid Electronics	37-1217	
25mm rubber wheel	3	£ 0.8550	£ 3.4200	Rapid Electronics	37-1320	<i>Pack of 4</i>
2x75mm steel shaft	1	£ 0.0199	£ 0.9936	Rapid Electronics	37-0350	<i>Pack of 50</i>
9v battery clip	1					
6xAA battery holder	1	£ 1.7000	£ 1.7000	eBay	121748057634	<i>Both Together</i>
AA Battery	6	£ 0.3828	£ 2.2968	Rapid Electronics	18-1452	
Arduino	1	£ 2.5600	£ 2.5600	eBay	221802708989	<i>The price is for a cheap Chinese clone. Genuine ones are £25</i>
Adafruit motor shield	1	£ 1.9500	£ 1.9500	eBay	141675106854	<i>The price is for a cheap Chinese clone. Adafruit style motor shield preferred as it allows for servos</i>
Cable tie (L=200mm W=4.6mm)	1	£ 0.0087	£ 0.8700	Rapid Electronics	04-0754	<i>Pack of 100</i>
Tape	1	£ 0.6600	£ 0.6600	Rapid Electronics	87-1552	<i>Black electrical tape works best</i>
Sensor PCB			£ 12.7132			<i>This is including many spares.</i>
PCB	1	£ 6.5000	£ 6.5000	Chinese PCB fab		<i>If you are interested in some of these contact me, I have many left over</i>
IR LED	5	£ 0.1104	£ 0.5520	Rapid Electronics	58-2006	
IR phototransistor	5	£ 0.1104	£ 0.5520	Rapid Electronics	58-2005	
330 Ohm resistor	5	£ 0.0074	£ 0.7416	Rapid Electronics	62-0358	<i>Pack of 100</i>
10 Kohm resistor	5	£ 0.0074	£ 0.7416	Rapid Electronics	62-0394	<i>Pack of 100</i>
7 Pin 0.1" header	1	£ 2.1500	£ 2.1500	eBay	400858209683	
Male to Female jumper wire	7	£ 0.0248	£ 0.9900	eBay	111651703549	<i>They can be replaced with solid core wire</i>
Small cable tie (L=80mm W=2.4mm)	2	£ 0.0049	£ 0.4860	Rapid Electronics	04-0630	<i>Pack of 100</i>
Obstacle sensor			£ 7.3800			<i>This is including many spares.</i>
Servo	1	£ 2.0400	£ 2.0400	eBay	380661514413	
HC-SR04	1	£ 2.1200	£ 2.1200	eBay	400795830076	
HC-SR04 servo adapter	1	£ 0.9900	£ 0.9900	eBay	141741597378	<i>3D printable</i>
10mm M2 screw	2	£ 0.0118	£ 1.1800	Rapid Electronics	33-2210	<i>Pack of 100, Can be used to mount Arduino properly</i>
m2 nut	2	£ 0.0105	£ 1.0500	Rapid Electronics	33-1725	<i>Pack of 100</i>